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Bolciano's NEW CATALOG of **CAPITOL CITY SEEDS** 1921

CAPITOL CITY
Cross

Resistant Tomato
Blight Resistant
Variety

CAPITOL CITY
Golden Evergreen
Sugar Corn

F.W. BOLGIANO & CO.

WASHINGTON, D.C.

HOW TO ORDER

FREE DELIVERY. Packets, Ounces, Quarter-Pounds, or Pounds, ordered at list prices, will be sent **FREE** by mail or express. This **DOES NOT APPLY** to Beans, Corn, Peas, Field and Grass Seeds and Seed Potatoes, which will be sent at regular Parcel Post or Express Rates. Orders for greater than one-pound lots will also be delivered at regular parcel post or express rates.

OUR TERMS are always cash with order, or satisfactory New York, Philadelphia, or Washington reference.

MONEY can be sent at our risk by Post-Office or Express Money Order, New York or Chicago Draft, or by registered letter. We cannot hold ourselves responsible for cash sent loose in letters.

AN ORDER BLANK for your convenience in placing your order will be found on the last page of this catalog.

NAME AND ADDRESS should be written plainly both on the Order Blank and on the envelope enclosing the order. Names of seeds and plants should be written out in full in plain writing.

EXPRESS or FREIGHT shipments should have the name of the station plainly given where different from the post-office.

GIVE FULL DIRECTIONS always whether shipment is made by freight, express or Parcel Post.

ORDER EARLY, for although we aim to fill all orders within twenty-four hours after receipt, unavoidable circumstances sometimes causes delay.

WE GUARANTEE our seeds, plants, etc., to reach our customer in good condition. We give no warranty, expressed or implied, as to description, purity or productiveness, or any other matter of any seeds, plants or bulbs we send out, and will not be in any way responsible for the crop. If purchaser does not accept the goods on these terms, they are to be returned at once, and the money that has been paid for same will be refunded. There are many reasons why seeds do not always turn out as desired, such as sowing too deep or too shallow, in too wet weather, cold weather or too dry soil, or too wet soil, insects which do not only destroy the seeds, but often the young plants, about the time they appear at the surface of the ground. For these causes we cannot guarantee seeds or the crop.

We Will Pay War Tax on Parcel Post Packages. As a courtesy to our customers and as an appreciation of their trade, we will pay the new war tax on all Parcel Post packages ordered from us.



United States Parcel Post Rates—Fourth-Class Matter

Seeds, Plants, Bulbs, Roots, Garden, Lawn and Poultry Supplies

RATE TABLE

	First Lb. or Fraction	Each additional lb. or Fraction
Local Rate Washington and Suburbs only.....	5c	1/2c
First Zone within 50 miles of Washington, D. C.....	5c	1c
Second Zone within 150 miles of Washington, D. C.....	5c	1c
Third Zone within 300 miles of Washington, D. C.....	6c	2c
Fourth Zone within 600 miles of Washington, D. C.....	7c	4c
Fifth Zone within 1,000 miles of Washington, D. C.....	8c	6c
Sixth Zone within 1,400 miles of Washington, D. C.....	9c	8c
Seventh Zone within 1,800 miles of Washington, D. C.....	11c	10c
Eighth Zone all over 1,800 miles from Washington, D. C.....	12c	12c

SIZE OF PARCEL THAT CAN BE SENT BY PARCEL POST

Size of package that can be sent by Parcel Post cannot be over 84 inches in length and girth combined.

The rate of postage on mailable parcels of seeds, cuttings, bulbs, roots and plants weighing 8 ounces or less, shall be 1c for each 2 ounces or fraction thereof, regardless of distance, and on those weighing more than 8 ounces the pound rates shown in table shall apply.

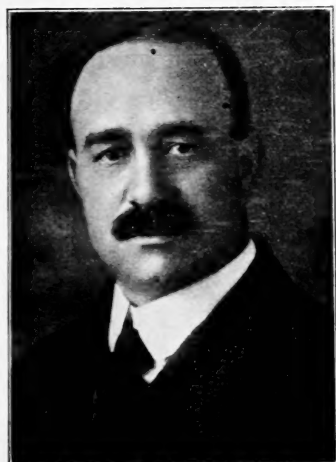
WEIGHTS BY PARCEL POST

Parcels up to 70 pounds can be sent by Parcel Post in the local, 1st, 2nd and 3rd zones, and up to 50 pounds in all other zones.

To points further than the 2nd zone on weight of over 10 pounds, the charge by freight or express is usually more economical.

A WORD TO ALL

1889 - 1921



FRANK W. BOLGIANO, President

Dear Folks:—

It's sort o' hard to write you a fine, flowery letter when I'd rather just sit down with you and talk things over a bit. I know there are lots of things we could talk about. You can always think of so many interesting things when you get into a good comfy chair by the fireside. Of course, I don't know how you are feeling today. You may be feeling fine or you may be blue, and so I am just going to take it for granted that you are beginning to realize that it is a pretty good little old world after all. We must all try to forget any hard knocks that we received last year and look forward to making a better success of the coming season.

During the war we learned the lesson of conservation, and that lesson is one which we should now practice more than ever. It is a time when we should make those farms produce the very best quality products that is in them to produce, for it is the high quality products that will command the prices worth while, and will pay us in the end. Those gardens, too, must be made

to serve us as they never did before, and we shall have good profit to our credit when the coming season is over. More than this, it is a time when we must keep in good spirits and let the good cheer of the Christmas season follow us thruout the year.

Just before I close this little personal word, I want to thank all my good friends for the support which we received the past season, and I want to congratulate you all for the magnificent showing which the American farms and gardens made this year. For the coming season my most sincere wishes are yours that this may be the happiest and most prosperous of all New Years.

Cordially yours,

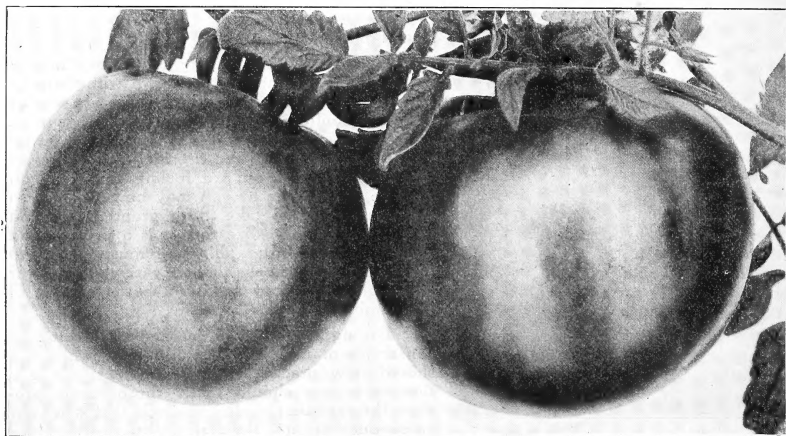
FRANK W. BOLGIANO,
or Mister "B."

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Novelties and Specialties

BOLGIANO'S RED CROSS RUST-RESISTANT TOMATO



This splendid BLIGHT RESISTING variety has now gained so many fast friends that it seems our catalog for the coming year would be incomplete without having it on our very first page. The RED CROSS TOMATO has not only equaled all expectations of it when tried out in field and home garden conditions, but has far exceeded our wildest hopes. Bred by experts to resist the scourge that is taking so many of our finest crops, it came as a boon to some parts of our State who have had to almost stop raising that crop by which they have lived so many years, while others have taken to growing it simply because it has proven a stronger and more vigorous grower than other varieties. It is a midseason variety, but because of the vigorous growth of its vines its season far overlaps other varieties. The large size, bright scarlet fruits have remarkably small seed cavities and rich solid meat, making them exceedingly good shippers. Pkt. 10 cts.; oz. 70 cts.; $\frac{1}{4}$ lb. \$2.25; lb. \$8.00.

Crimson Cropper. To be able to constantly bring new and better types of vegetables to the attention of our customers is our chiefest delight. In the CRIMSON CROPPER TOMATO we have produced something so much better in the early tomato class that it is hard to draw a comparison. To say that it combines earliness with great productiveness and long keeping qualities is to realize the dream of growers and gardeners. Nor will it injure easily in the field, for it is well protected by its heavy foliage. These sterling qualities combined with its deep red color, comparative seedlessness, and solid, mussy flesh make us recommend it to the most particular of growers. Pkt. 10 and 25 cts.; oz. \$1.50; $\frac{1}{4}$ lb. \$5.00; lb. \$15.00.

212. John Baer Tomato. This Tomato has given great satisfaction in many localities. The smooth scarlet fruits are similar in size to those produced by Chalks' Early Jewel and are of the finest flavor. One man who had five acres in this tomato says that he prefers it to all other early sorts. Pkt. 5 and 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb \$1.15; lb. \$4.00.

The Bolgiano. In the BOLGIANO TOMATO we are offering to our trade a variety that has already stood the test of trial by many growers. Those who have used it are delighted with the results of their crops and the returns this new Tomato has brought them. It is an early red tomato, of remarkable smoothness and having the quality admired by all of resisting cracking when other varieties go to pieces. It has proven valuable under all types of cultivation. Pkt. 10 and 25 cts.; oz. \$1.50; $\frac{1}{4}$ lb. \$5.00; lb. \$15.00.

72. The Greater Baltimore Tomato. In a three years' test it produced $16\frac{1}{4}$ tons to the acre against $13\frac{3}{4}$ tons of the Stone on the average. While we recommend the Stone Tomato, we say and believe the Greater Baltimore Tomato is better in every way. Large, smooth, bright red color—very productive. Fine for table, canning and market. It ripens well up to the stem end and does not crack. It is extremely heavy, a measured bushel often weighing 65 to 70 pounds. Among New Jersey canners it is considered superior to Stone and Red Rock. Pkt. 5 and 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

Specialties for 1921

Golden Evergreen Corn. Among the new varieties of Golden Sugar Corns, this stands supreme on its merits of deserving a first place. Its excellent flavor and large size ears of 12 to 18 rows are inviting to the most particular appetite. When fit for roasting the color is a rich cream, cooking to a light golden yellow. The season is about the same as Early Evergreen. It is in every way a grand corn to follow the Golden Bantam, and is larger and more luscious than the Bantam. This should prove a great value to both the home and market garden. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; 4 qts. \$1.40; 1 pk. \$2.50; bushel, \$9.00

Extra Early Ideal Sweet Corn. We have never put out anything that has given greater satisfaction to our friends than this new Corn. First, it was ready for the market as soon as the Extra Early Adams; second, large size ears; third, it brought more money, and, fourth, it satisfied the most critical trade. What more could be said? While not a sugar corn, it is a sweet corn; can be planted at the same time as the Adams Corn and produce an ear much larger, finer texture, sweet and with blades on the ear. Not in a single instance have we sold a gardener this corn who has not come back for a further supply. Pkt. 5 and 10 cts.; pt. 20 cts.; qt. 35 cts.; gallo, \$1.00; peck, \$1.75; bushel, \$6.00.

Bolgio's New Giant Podded Emerald Isle Pole Lima Bean. The largest podded, largest seeded and heaviest cropper of all Pole Lima Beans. The mammoth pods measure 7 to 8 1/4 inches long by 1 1/4 to 2 inches wide, and are generally borne in clusters. It is one of the strongest growers and continues to bear freely until killed by frost. The shelled beans are of the finest flavor. Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts.; peck, \$4.25; bushel, \$16.00.

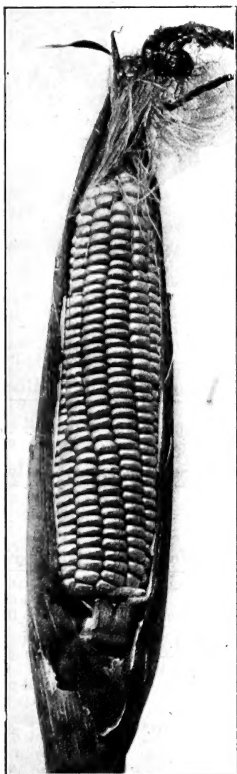
160. Italian Vegetable Marrow. (Cocozella di Napoli). The vines are of bush habit and produce large, much elongated fruits, dark green at first, but as they mature becoming marbled with yellow and lighter green in stripes. The fruits are in best condition for the table when six to eight inches long, but can be used when somewhat larger. The young fruits when sliced and fried in oil constitute a vegetable delicacy that is very tender and marrowy. Pkt. 5 and 10 cts.; oz. 20 cts.; 1/4 lb. 60 cts.; lb. \$2.00.

C32. The Knight Cantaloupe. This was introduced by the originator of our Famous Sweet Air Cantaloupe. His description of this melon is as follows: "It is not liable to blight, considerably earlier in maturing and nearly, if not quite, as large as the Sweet Air. The flavor is the equal of the best on the market." The melons are firmly netted, uniform in size, and the thick green flesh is most delicious in flavor. We recommend this to our Market Gardener trade as well as the home gardener. Pkt. 5 and 10 cts.; oz. 15 cts.; 1/4 lb. 45 cts.; lb. \$1.50 by mail postpaid.

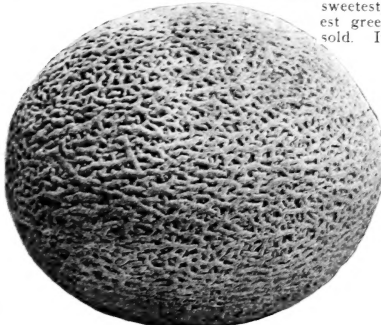
41. Sweet Air Cantaloupe. Few Melons have ever been introduced that have created such widespread and universal favorable comment as the Sweet Air. It is the sweetest, finest flavored, juiciest green fleshed melon ever sold. It is medium in size,

very thick green flesh, small seed cavity. It sells at the very top market price, and is sought for by buyers. Pkt. 5 and 10 cts.; oz. 25 cts.; 1/4 lb. 75 cts.; lb. \$2.50.

180. Golden Sugar Cantaloupe. This is the best and latest of the Golden Fleshed Melons yet introduced from Colorado. This has received thorough trial in our community and in every case we have received more than satisfactory praise from those who have tried it, which bears out the success that it has given all who have grown it in other parts of our country. It is sweet, deep flesh, free from blight and rust, a heavy cropper, and is an especially fine shipping melon. We know of none which will give greater universal satisfaction in home garden or on the truck farm than this variety. Pkt. 5 and 10 cts.; oz. 20 cts.; 1/4 lb. 60 cts.; lb. \$2.00.

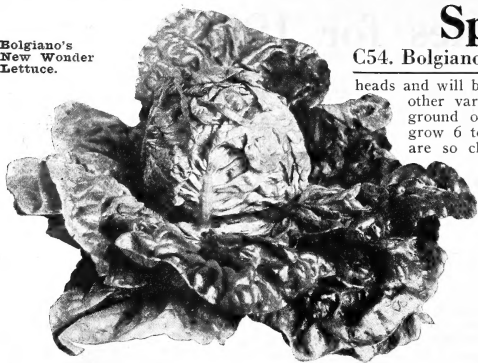


Golden Evergreen Corn.



Golden Sugar Cantaloupe.

**Bolgiano's
New Wonder
Lettuce.**



Specialties

C54. Bolgiano's New Wonder Lettuce.

Has solid round heads and will bear transportation better than almost any other variety. For early spring planting in open ground or under glass it is unequalled. Plants grow 6 to 7 inches in diameter; the outer leaves are so closely folded the plant is practically all head. It is hardy as well as very early, and a quick grower. Leaves are a light green, and slightly crumpled, like Savoy Spinach; inner leaves a bright yellow. In flavor it is particularly rich, buttery and tender. Bolgiano's Wonder has certainly been highly appreciated wherever grown or tried, and is sure to become popular, both in home and market gardens. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00 by mail postpaid.

198. Bolgiano's Golden Heart

Lettuce. There has always been a demand for a Big Boston Let-

tuce without the brown tinge. This Lettuce is black seeded Big Boston with less brown tinge. It will stand longer without going to seed and has a fine large heart, light color, and is crisp and tender. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50 by mail postpaid.

45. Wonderful Early Beet. Produces smooth, handsome shaped roots with fine grained tender flesh of delicious quality. When pulled from the soil there are absolutely no fibrous or side roots. For hot beds, cold frame and transplanting, it is truly WONDERFUL. Very popular now in the large city markets on account of its fine shape and attractive dark red color. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.

C57. Superb Extra Early Beet. An early turnip-shaped beet of finest quality. It is ready very early and invariably produces smooth, handsome roots. The flesh is a rich dark blood red, tender, crisp and deliciously sweet. The tops are small and the beets bunch nicely. Recommended both for forcing and main crop. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.

138. Bolgiano's Early Fortune Cucumber. Thousands of private and market gardeners have pronounced this to be one of the earliest and darkest green cucumbers in cultivation. It is unquestionably one of the best varieties, combining both table and shipping qualities, and the fruits at all stages of growth are invariably of perfect form. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.

Earliest Springtime. This Pea is sure to be a leader. The pods are from 4 to $4\frac{1}{2}$ inches long. The kernels are round like the Alaska, but much larger, and the pods are equal in color and size to the Gradus; it can be planted earlier than the Gradus because of its character of seed. We feel sure that this pea will produce more and give better satisfaction than any other early sort to the market gardener. Pkt. 10 cts.; pt. 30 cts.; qt. 50 cts.; gallon, \$1.85; peck, \$3.50; bushel, \$12.00.

Laxtonian. This handsome new wrinkled Pea is the largest podded of the dwarf varieties in our list. The beautiful dark green pods are similar to Gradus in shape and splendid quality; are very nearly as large in size and mature a little earlier. The vines are vigorous and productive, averaging 15 to 18 inches high, foliage dark green; pods about 4 inches in length. Seed light green, large, wrinkled, flattened, irregular in shape. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; peck, \$3.75; bushel, \$13.50.

181. Irish Grey Watermelon.

We introduced this NEW MELON to our trade two years ago for the first time. In this short time it has made more friends because of its good qualities than any melon we ever sold. A handsome (and we mean handsome) oblong melon of good size, just right for the family. Everyone partaking of its bright red, thick, sweet, solid meat flesh will want more. It is hardy and healthy, and surest to make a crop of any we have tried this year. For shipping it is the most promising melon that has ever been introduced. We cannot recommend this melon too highly to you. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.



Irish Grey Watermelon.

Bolgiano's Tested Vegetable Seeds

Seeds from the Best Market Gardener's Stocks and of Strong Germination

ARTICHOKE

One ounce will produce about 500 plants.

CULTURE. Sow seeds in January in the greenhouse or in hot-beds in March. Transplant when large enough in rows 3 feet apart, 2 feet apart in the row. Cultivate when growing, freely, and protect the plants in winter by taking them in a cellar or in a cold frame, or they may be left outdoors protected by straw in a climate that is not too severe. Artichokes properly cared for last for several years.

26. Green Globe. Pkt 5 and 10 cts.; oz. 75 cts.

ASPARAGUS

One ounce to 50 feet of drill; about 4 pounds to the acre.

CULTURE. Sow the seed thinly in rows 1 foot apart in April or May (4 or 5 pounds to the acre) and keep down all weeds. To secure strong, healthy plants, thin the seedlings to 3 or 4 inches in the rows, saving only the strongest. The one-year-old plants should be set out in spring in rich, sandy loam, dug 18 inches deep, into which has been worked a plenty of well-rotted manure. If a stiff clay soil is all that can be had, add a plenty of sand and sifted coal-ashes to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds 5 feet wide, 3 rows in a bed, the outer being each 1 ft. from the edge, and allow 18 inches between rows; set the plants from 4 to 6 inches below the surface. If set out in autumn, top-dress with 6 inches of manure. For the market, on a large scale, set out 4 by 1½ feet. Every fall apply a good dressing of coarse manure, after the tops have been cut, and in spring fork in. Never cut too closely. The roots will weaken and die. Slugs are easily destroyed by applying air-slacked lime or Paris green.



Asparagus.

149. Palmetto. It is very early, large yielding, and very regular and even in its growth; average bunches contain 15 shoots. Its quality is unequalled. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 60 cts.

178. Argenteuil, or Conover's Colossal. The standard variety, large and very prolific. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 60 cts.

204. Columbian Mammoth White. Produces large white shoots without any blanching. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 60 cts.

ASPARAGUS ROOTS

Plant either in spring or fall. By mail, 20 cts. per 100 extra.

Per 12. 100. 1,000.

Colossal. 2-year-old roots.....\$.40 \$1.50 \$10.00

Palmetto. 2-year-old roots.....\$.40 \$1.50 \$10.00

Columbian Mammoth White. \$.40 \$1.50 \$10.00

GREEN POD BUSH BEANS

One quart will plant 100 feet of drill; 1 to 2 bushels to acre.

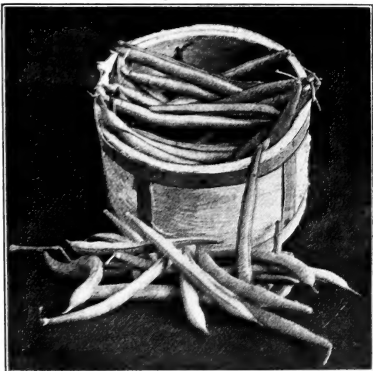
CULTURE. About the first of May, if the ground is perfectly warm, select a warm, dry, sheltered spot; dig and manure slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the beans 3 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession. For mailing see Parcel Post Rates, opposite Page 1. One quart weighs about 2 pounds.

King of the Earlies Bean. The earliest and the hardest of all green podded varieties. It may be planted from a week to ten days earlier than any other green bean, and is not liable to rot during cold wet weather. It produces freely straight long round light green pods. Equally as desirable for planting as a late crop. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; gallon, \$1.40; peck, \$2.50; bushel, \$9.00.

Bolgiano's Earliest Red Valentine. (Improved Round-Podded Strain.) Our stock of this very superior Bean has been carefully built up to satisfy a most critical market gardeners' trade, which trade we cater to. It is ready for picking in 35 days from planting—earlier than the ordinary Red Valentine Beans. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; peck, \$2.50; bushel (60 lbs.), \$9.00.

Burpee's Stringless Green Pod. There is no other variety so absolutely stringless and of uniformly good quality. Very early and prolific, pods are light green in color, round and of medium length. Has a long bearing season, making it very desirable for the small garden. Seed dark brown. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; peck, \$2.50; bushel, \$9.00.

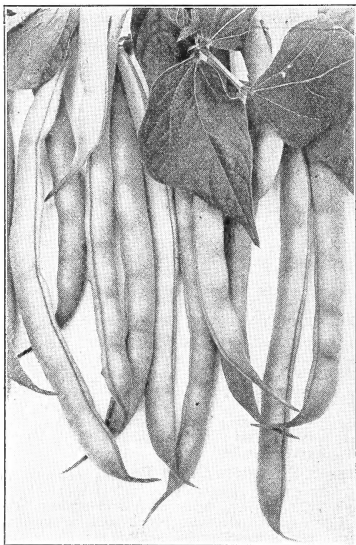
Black Valentine. An extremely early, vigorous growing green podded variety, earlier than Red Valentine, very long and slender round pods of exceptional quality. As a variety for very early planting it stands cold and damp soil better than any other sort, absolutely rust proof, seed black. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; peck, \$2.50; bushel, \$9.00.



King of the Earlies Beans.

Money for postage must be included with all mail orders for beans

GREEN PODDED BUSH SNAP BEANS—Continued



Giant Stringless Greenpod Beans.

Pkt. 10 cts.; pt. 35 cts.; qt. 45 cts.; peck, \$2.65; bushel, \$9.50.

Dwarf Horticultural. Very productive, pods of medium length with splashes of red. Always stringless and desirable for cooking when young. The green shelled beans are of the finest flavor. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$2.65; bushel, \$9.50.

Boston Pea, or White Navy. The most popular of all the so-called baking beans. Easily grown and very productive. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; peck, \$2.50; bushel, \$9.00.

DWARF WAX SNAP BEANS

During the past few years there has been a great improvement in the quality of wax-podded beans. The varieties we offer have all been grown from the finest selected strains and are bound to please the most critical planters. Culture directions same as given for the green-podded Bush Beans.

Improved Rust-Proof Golden Wax. A greatly improved strain; more prolific and superior to the old golden wax. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$2.75; bushel, \$10.00.

Bolignano's New Wax. The pods are round and of a bright golden yellow. It is very productive, bearing pods in clusters. The medium size, thick fleshed pods are about the size and shape of the red Valentine. It is free from rust and stringiness. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$2.75; bushel, \$10.00.

Improved Stringless Refugee Wax. Decided improvement on old Refugee Wax; very desirable for canning. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$2.75; bushel, \$10.00.

Wardwell's Kidney Wax. Very hardy; more robust than any other wax beans; very heavy cropper; not liable to rust or blister. The flat pods are 5 inches long and of a rich golden-yellow. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$3.00; bushel, \$11.00.

"Giant Stringless" Green Pod. This is a great improvement on old-time popular favorite Valentine Beans. The pods are fully one-third longer, averaging 5 to 6 inches in length; absolutely stringless, very crisp, round, full and fleshy. It is enormously productive. We confidently recommend it either for the home garden or as a profitable variety to grow for market. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; 4 qts. \$1.40; peck, \$2.50; bushel, \$9.00.

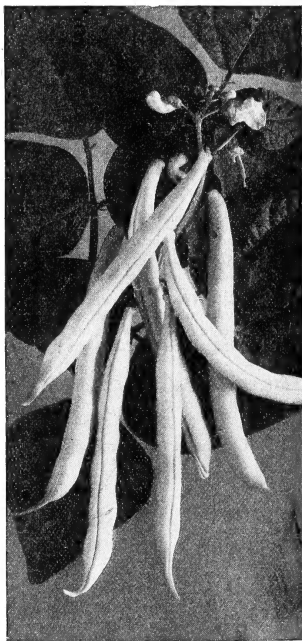
Extra Early Refugee. A very early, green-podded variety, with medium-sized, green, fleshy pods; seed drab, freely spotted with dark purple. The vines are smaller and of more upright growth, and leaves a little longer than the Late Refugee. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$2.65; bushel, \$9.50.

Longfellow. The handsome long round green pods are tender, brittle and stringless when young. A very early maturing variety, and is strongly recommended for both home and market gardens. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; peck, \$2.50; bushel, \$9.00.

Early Bountiful. Almost a continuous bearer. The plants are of strong growth and produce abundantly stringless flat tender green pods. Very early. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; peck, \$2.50; bushel, \$9.00.

Refugee, or 1,000 to 1. A variety rather later than other green-podded varieties. Vines large, spreading, and very hardy; pods long and green, becoming white, streaked with purple as they mature.

Seed yellowish; heavily splashed with bluish black.



Bolignano's New Wax.

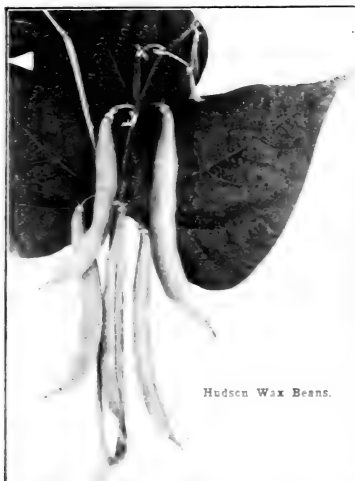
DWARF WAX SNAP BEANS

Hodson Wax. Produces a healthy growth of foliage, resists rust and blight, and is remarkably prolific, with long, straight, thick, handsome, light yellow flat pods. The pods are brittle and tender, of fine texture, and stringless if picked when young. Its remarkable productiveness makes it one of the best late or main crop wax beans for house or market garden. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$2.75; bushel, \$10.00.

Pencil Pod Black Wax. This new bean has been most enthusiastically praised by all who have grown it. Its beautiful yellow pods are straight and from 5 to 7 inches long, well rounded, meaty and deep saddle-backed. They are always solid, brittle and entirely stringless. The plants grow 15 inches high with abundance of large, heavy foliage, under which will be found an enormous crop of magnificent straight, golden yellow pods. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$2.75; bushel, \$10.00.

Valentine Wax. Round pod, prolific, solid and meaty; very fine quality when young; one of the earliest. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; peck, \$2.75; bushel, \$10.00.

Currie's Rust-Proof Wax. It is hardy and practically rust-proof. Pods grow long, flat, and are tender and of fine quality. Very early, productive and by far one of the best shipping beans on the market. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$2.90; bushel, \$10.50.



Hudson Wax Beans.

Davis Kidney Wax. A most popular variety where a hardy wax podded sort is desired. The straight flat pods measure 6 inches long, are of a rich golden yellow, and are tender and of fine flavor if used when the pods are young. Very productive; the white dried beans are desirable for winter use. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$2.90; bushel, \$10.50.

Sure Crop Stringless Wax. Very prolific and produces pods of the finest quality. The pods are almost round, slightly curved; measure about 7 inches long by ½ inch wide, and are always stringless; the meat is very thick. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$3.00; bushel, \$11.00.

Round Pod Kidney Wax. A strong growing mid-season variety, vigorously productive, having round pods about six inches long, slightly curved, light yellow, wax-like, stringless and of the very best quality. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$3.00; bushel, \$11.00.

BUSH LIMA BEANS

Fordhook Bush Lima. The Fordhook produces a stiffly erect bush form of growth, and therefore the pods rarely come in contact with the soil, and thus are always clean in appearance. The stalks which produce the blossoms are immense, and pods are almost always borne in clusters of from 4 to 6. The well-filled pods contain from 4 to 6 thick, meaty beans. The shelled beans are of the Potato Lima type and are always of the finest flavor. Our seed has been grown from the finest selected stocks. Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts.; peck, \$5.00; bushel, \$18.00.

Improved Large Bush Lima. This bean produces magnificent crops of pods, which measure from 5 to 6 inches long by 1¼ inches wide. As compared with the original Burpee Bush Lima, it is fully a week earlier, and both pods and beans are very much larger, while the beans, either green or dry, are nearly twice as thick. Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts.; gallon, \$2.25; peck, \$4.25; bushel, \$16.00.

Large Bush Lima. Large pods, well filled with very large beans, which are identical in size and luscious flavor to the well-known large Pole Limas. Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts.; peck, \$4.25; bushel, \$16.00.

Henderson's Bush Lima. It has merit in being productive and very early for family use, and where the trade demands a small-sized bean it has no superior. Makes a delicious dried bean for winter use. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; gallon, \$1.60; peck, \$3.00; bushel, \$11.00.

Dreer's Bush Lima. An excellent variety that is very valuable to all on account of its productiveness. The beans grow close together in the pods, are thick, sweet and succulent. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$5.00; bushel, \$18.00.



Fordhook Bush Lima.

POLE LIMA BEANS (1 qt. to 150 hills; 10 to 12 qts. to acre.) For Mailing see Parcel Post Rates.

CULTURE. Choose light soil and make small hills 3 feet apart, having previously spaded deeply and fertilized. Plant long pole 2 feet deep in the center of the hills. Allow 6 beans to each hill, covering them barely beneath the surface, their eyes downward. Do not allow more than 3 to climb a pole, but remove extra plants to hills where less than 3 have sprouted. The lima bean is very delicate, and often from slight causes fails to sprout. They should not be planted until the ground is warm.

Bolgiano's New Giant Podded Emerald Isle Pole Lima. Emerald Isle Pole Limas are the largest podded, largest seeded, heaviest cropper of all Limas. They are earlier, more prolific and much larger podded than the King of the Garden. The mammoth pods measure 7 to 8¼ inches in length and 1½ to 2 inches in width, and are borne in great clusters. The vines branch or stool out from the main stalk close to the ground, each vine producing 10 to 15 lateral branches. Emerald Isle Pole Lima Beans continue to bear most abundantly until killed by frost. This is the most perfect Pole Lima Bean ever introduced. It grows green, it dries green, it stays green. Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts.; 4 qts. \$2.25; peck, \$4.25; bushel, \$16.00.

Seibert's Early Lima. In earliness, ease of shelling, size, beauty and quality of the green beans, this variety leads all other early limas for either the home garden or market. The vines are vigorous and remarkably productive. Pods are medium green, large, flat, about 5 inches long, moderately curved. The green shell beans are very large, very tender and of finest quality. Pkt 10 cts; pt. 35 cts.; qt. 60 cts.; peck, \$4.00; bushel, \$15.00.

King of the Garden. Its vine has a luxurious growth, which abounds with large pods, often 6 to 8 inches long, and filled with 5 or 6 perfect Beans to a pod. These Beans in their green state are large and luscious, but when dry shrink to the ordinary size. It is large, early and prolific and unequalled in quality. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; 4 qts. \$2.20; peck, \$4.00; bushel, \$15.00.

Early Leviathan. One of the newer varieties and the best early variety in cultivation. Vine very tall and strong; pods long and borne in clusters; beans large and white. It is early, strong-growing and prolific. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; peck, \$4.00; bushel, \$15.00.

Carpinteria Pole Lima. A most desirable pole lima for the home and market garden. The vines are strong growing and vigorous, producing an abundance of fine, large, medium green pods, 5 to 6 inches long, usually closely filled with four beans of largest size, much thicker than the average pole lima. The color is distinctive in having a decided greenish tint, an indication of very finest quality. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; peck, \$4.45; bushel, \$16.00.

Improved Challenger. This is one of the leading standard early varieties that is very popular on account of its productiveness. The quality is exceedingly fine, the Beans cooking rich and mealy. Although this is one of the leading varieties for the home or private gardeners, it has become very generally used by the market gardeners and truckers as well. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; peck, \$4.00; bushel, \$15.00.

CLIMBING, or POLE BEANS

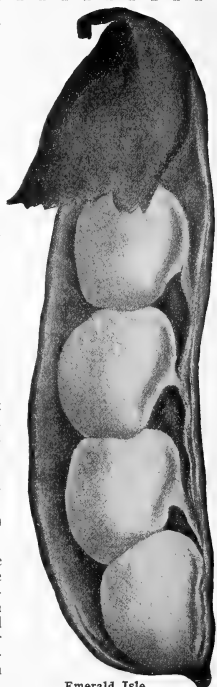
Kentucky Wonder, or Old Homestead. This variety is one of the most desirable and earliest of all the green-podded running varieties. It is enormously productive, the pods hanging in great clusters from base to top of pole; are of a silvery-green color and entirely stringless; they cook deliciously tender and melting. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$3.00; bushel, \$11.00.

Lazy Wife. One of the best for snaps of the later green podded pole beans. The numerous pods, borne in large clusters, are 5 to 7 inches long, broad, thick, fleshy, and entirely stringless. When young they have a rich, buttery flavor, which is retained until they are nearly ripe. The dry beans are excellent for winter use. Seed white. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; peck, \$3.50; bushel, \$13.00.

Cherry Pole, or Horticultural. Vines moderately large, light colored leaves; pods short, pale green, but becomingly streaked with bright red; beans large, oval, splashed and spotted with wine-red, and of the highest quality either green or dry. Many people like them better than Limas. Adapted for cool locations and short seasons. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; gallon, \$1.60; peck, \$2.90; bushel, \$10.50.



Kentucky Wonder.



**Emerald Isle
Lima Beans.**

Money for postage must be included with all mail orders for beans unless shipped by express.

CLIMBING OR POLE BEANS—Continued

McCaslan. Very early and continues in bearing throughout a long season. The pods are 8 to 10 inches long, flat, slightly curved and of a rich green color. This produces a snap bean of the very finest flavor, while the dried white seed are most excellent for winter use. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; peck, \$3.00; bushel, \$11.00.

Burger's Stringless Green-Pod. White-seeded Kentucky Wonder. The pods average 6 to 8 inches in length, are uniformly straight, of a rich, dark green, and so meaty as to be really saddle-backed. The pods are as entirely stringless as the popular Stringless Green-Pod Bush Bean; they are equally tender and of similar sweet, mild flavor. The dry beans are pure white. Pkt. 10 cts.; pt. 25 cts.; qt. 45 cts.; gallon, \$1.60; peck, \$2.90; bushel, \$10.50.

Scarlet Runner. In northern locations, where the summers are cool and short, this takes the place of the Large Lima Beans. Plants are of strong, quick growth, bearing large sprays of bright scarlet, pea-like flowers. When fully ripened, the dry beans are of bright scarlet, heavily blotched with purple. Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts.; gallon, \$2.25.

Money for postage must be included with all mail orders for beans unless shipped by express.

BRUSSELS SPROUTS

Brussels Sprouts look very much like little heads of Cabbage, and growing closely on the stalk (see illustration) a single plant produces a great many from the ground level to the tip. The plants are very hardy and may remain outdoors during the winter in many locations. The quality and flavor of the sprouts are much improved by frost. Seed should be sown the same as it is customary to sow for late cabbage.

167. Perfection. Grows about 2½ feet high. Very productive. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

7. Paris Market. This is much dwarfier than the preceding and bears a large crop of handsome sprouts. Pkt. 5 and 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00.



Brussels Sprouts.

Swiss Chard, or Spinach Beet

The rapidly increasing popularity of this vegetable is well deserved, for when cooked like Spinach, but the leaf stalks are particularly palatable if prepared in the same manner as Asparagus. The culture is the same as for Beets, and it can be grown thruout the entire summer.



Swiss Chard.

145. Large Ribbed White. Produces broad white leaf stalks. Pkt. 5 and 10 cts.; oz., 15 cts.; ¼ lb., 30 cts.; lb. 85 cts by mail postpaid.

Lucullus. Plants growing 2 to 2½ feet tall with many creamy white curled leaves carried on broad, thick stalks. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.

MANGEL-WURZEL, Beet for Cattle Food

Four pounds to Acre.

97. Improved Sugar Beet. Large growing sort; rich in sugar, hardy and very productive. ¼ lb. 20 cts.; lb. 40 cts.

53. Golden Tankard Yellow-Flesh Mangel. Deep yellow-fleshed, of milk-producing quality. ¼ lb. 20 cts.; lb. 40 cts.

49. Giant Mangel-Wurzel. The heaviest cropper, of mammoth size; fine quality. ¼ lb. 20 cts.; lb. 50 cts.

BIRD SEED

C58. Canary Seed. Lb. 15 cts. Postpaid.

C62. Bird Rape. Lb. 20 cts. Postpaid.

C60. Hemp. Lb. 15 cts. Postpaid.

Sunflower Seed. Lb. 15 cts. Postpaid.

FREE DELIVERY. Packets, Ounces, Quarter-Pounds, or Pounds, of all seeds excepting Beans, Corn, and Peas ordered at list prices, will be sent **FREE** by Mail or Express.

GARDEN, or TABLE BEETS

1 ounce to 50 feet of drill; 5 to 6 pounds to the acre.

CULTURE. Our beet seed is grown from selected transplanted roots and have given truckers and market gardeners, who appreciate a high standard of perfection, the utmost satisfaction. The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked. When the plants are large enough, thin out to stand 6 inches apart in rows; continue sowing for a succession as late as the middle of August. Keep well cultivated.

C57. Superb. (See illustration.) Has taken the lead among early turnip-shaped Beets entirely by superior merits of everything pertaining to a Beet to make a recognized leader. It is very early, indeed; it is 8 to 10 days ahead of any other early sort now offered. The shape is uniformly perfect, being entirely free from fibrous side roots, which are so objectionable; in fact, it is the smoothest Beet within our knowledge. The flesh is a rich, dark blood-red, tender, crisp, and deliciously sweet, besides having a very small top; is an ideal variety for bunching. Will produce a good crop inside of seven weeks from sowing. Is excellent as a forcing sort or as a main crop. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.

45. Wonderful Early. (See page 4.) Extra quick in maturing, small tap root, small tops, deep dark red color, fine-grained flesh; in fact, it is the best yet introduced for early market. Grown in hot beds, cold frames or open ground. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.

108. Bolgiano's Extra Early Eclipse. It is valuable for home gardens and indispensable for market gardens. It is re-

markable for very rapid growth, the perfect flesh, and for its dwarf foliage. Roots bright, glossy red, very fine grained. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.

142. Crimson Globe. This splendid new variety is a most valuable introduction. The color is most distinct, being of a rich, deep crimson; in shape uniformly a perfect globe; the skin is smooth and clean. It is early in maturing, and is proving specially desirable and profitable for market gardeners and truckers. Its attractive appearance, splendid flavor and other fine table qualities make it a favorite. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

125. Crosby Extra Early. A very superior strain of blood-red Egyptian, carefully selected for years by Mr. Crosby, a noted market gardener, whose aim was to secure a perfect forcing variety. The results obtained were handsome form, good size, few small tops, very small tap root, fine quality, and, above all, quick, rapid growth. The shape is very desirable, not flat like the ordinary Egyptian, nor so round as Eclipse. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

133. Dewing's Blood Turnip. Tops medium size and veins dark red; leaves green; roots dark red, turnip-shaped, with large top; flesh carmine red, zoned with lighter shade; tender, sweet and a very good keeper. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

122. Edmands Blood Turnip. The flesh is deep blood-red in color and exceedingly sweet and tender in quality. It is round and smooth in shape and of good market size. It has a small top. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.

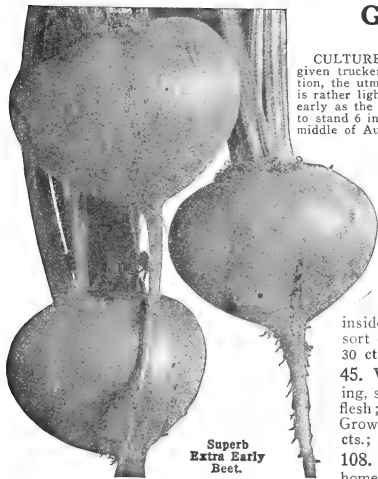
153. Half Long Blood. We recommend this beet to be of great value. Its roots are of an attractive shape, its flesh is dark red and very tender and sweet. As a fall and winter beet it has few equals. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 65 cts.

93. Extra Early Bassano. This Beet is sometimes called Philadelphia Sugar Beet. Root large, turnip shape; come very early, and are very sweet and tender; flesh bright light red. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

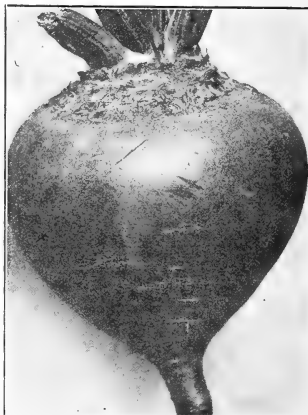
103. Detroit Dark Red Turnip. One of the best deep red Turnip Beets for market gardeners or home use. Its small upright growing tops, early maturing, and fine globular shape and color of the roots make it very popular with every one who plants it. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

127. Bastian's Early Blood Turnip. A bright red medium early beet of very good quality for home or garden use. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

68. Long Smooth Blood. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.



Superb
Extra Early
Beet.



Detroit Dark Red Turnip.

CABBAGE SEED

One ounce of seed produces about 2,500 plants
Four ounces will grow enough plants to set an acre.

CULTURE. For very early use sow in January or February in hotbeds; put out when the plants are strong enough into other hotbeds, or sow in cold frames in March; transplant, where danger from killing frost is past, to open ground in rows 2 feet apart and 18 inches in the row. For succession sow in the open ground the last of March or early in April. The autumn and winter varieties sow in April or early in May, in shallow drills, 3 or 4 inches apart; transplant early in July in rows 2½ feet apart and 2 feet in the row. Cabbage succeeds best in fresh, rich soil, well manured and deeply dug or plowed.

80. Select Jersey Wakefield. Heads pointed at top, and plants produce but few outside leaves. Our seed has been most carefully selected. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

105. Large Charleston Wakefield. True Long Island grown. About 5 to 10 days later than Early Jersey Wakefield; the heads are fully one-half larger and can easily be planted 20 inches in the rows. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

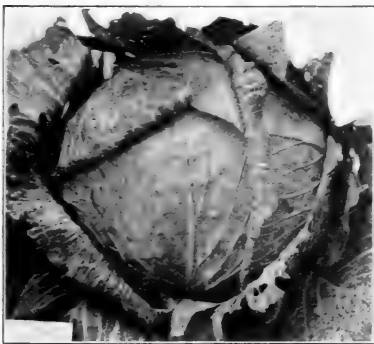
A80. Bolgiano's Early Large York. This is a very valuable early variety, and follows the Express in heading. The heads are round, heart-shaped, and very firm. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

213. Early Winnigstadt. A standard second-early variety; very hard heads. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.



Select Jersey Wakefield Cabbage.

EARLY AND SECOND-EARLY FLAT HEAD CABBAGES



New Early Cabbage.

117. Bolgiano's New Early. This is the finest, large, very early Cabbage. Forms solid, compact heads, and the leaves grow close to the head, thus allowing many more cabbage to be grown on the acre than other sort. Its earliness is one of its remarkable features. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

C21. Enkhuizen's Glory. This Cabbage from Holland is a good early sort, making fine, large, tender and fine grained heads. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. \$3.00.

101. Improved Early Summer. A superior second-early sort; produces large and solid heads of

finest quality; popular in the South. Selected stock. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 60 cts.; lb. \$2.00.

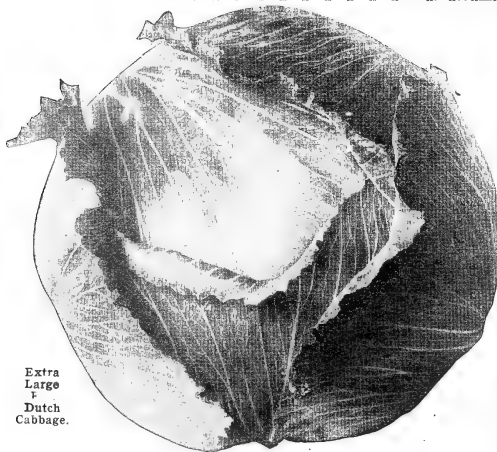
210. Copenhagen Market. Undoubtedly the finest, large, round-headed early Cabbage. The heads average about 10 pounds each in weight, are very solid and of fine quality. It matures as early as Charleston Wakefield, and will give a heavier yield per acre than that well-known variety. The plant is short-stemmed, the leaves always tightly folded. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. \$3.00.

223. Allhead Early. This famous Cabbage is considerably larger than Early Summer Cabbage that is equally as early. The deep flat heads are remarkably solid and the most uniform in color, form and size. The hard heads grow so free from spreading leaves that fully one thousand more heads than usual with large Cabbage can be obtained to the acre. It is really an all-the-year-round Cabbage, being equally good for winter if seed is sown about August. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

160. Bolgiano's Early Flat Dutch. The heads are large and solid. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

115. Succession. True American grown. Matures ten days later than Early Summer and larger in growth. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

New Money Maker. This Extra Early Flat Head Cabbage is fully as early as the Early Jersey Wakefield. Small outside leaves, solid heads, and very fine texture, enabling it to be planted very close. Pkt. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.



Extra
Large
Flat
Dutch
Cabbage.

LATE FALL AND WINTER VARIETIES

The possibility of having green food during the snowy months is realized by growing fall cabbage and storing it for winter use. The varieties which we list below produce hard heads that will keep well when properly stored.

89. Extra Large Flat Dutch.

Fills a long-felt want of our Cabbage growers. They anxiously look for a variety which included large size, solidity, uniformity, good keeping qualities and quick development, so that by planting later than was necessary with the old Flat Dutch they could avoid the cabbage worm and yet mature their crop. Matures in three weeks less time than the Late Flat Dutch. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

A89. Bolgiano's Superior Stock

Large Late Drum-Head. This splendid Cabbage produces enormous heads and is an all-head Cabbage. Its good keeping quality makes it a first-class sort to carry over winter or for long distance shipping. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

56. Surehead. One of the most reliable main crop or late Cabbages for northern latitudes, being very hardy and exceptionally sureheading. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

143. All Season. Will do to plant at any season of the year, with assurance that the crop will be fine, large heads, and in every respect give satisfaction. It grows large. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

192. Autumn King. The plant is of extra-strong growth, with dark green leaves growing closely about the large flattened heads. In good soil it will produce heads of enormous size, but, of course, requires a longer season for growth than do the smaller varieties. Seed sown the first of June will produce fine heads in time to put away for the winter. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

206. Danish Roundhead. A late variety, but matures earlier than the Danish Ball Head. The heads are round and have a short stalk, and for solidity is ahead of all others. The interior leaves are pure white and of sweet flavor. It is a healthy variety and able to stand hot weather and resist disease. Danish grown. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$3.00.

124. Improved Perfection Drumhead Savoy (True American). There are many varieties of Savoy Cabbage, but there is one variety, "Bolgiano's Perfection," that surpasses them all for uniformity of heads, beauty of curl, Extra Large Size and superior keeping qualities. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

129. Premium Flat Dutch. This is an old favorite and standard with many truckers and much improved by careful selection. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

C25. Volga. This variety is of recent introduction and has much merit, and makes large, round heads which are very solid. It is hardy and will do well in every section where Cabbage is grown. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

32. Mammoth Red Dutch. The largest red Cabbage and heads very solid, and is deep red color to the very center. No Cabbage is better for boiling or for slaw, and its beautiful red color specially fits it for pickling. Pkt. 5 and 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

PE-TSAI, CHINESE or CELERY CABBAGE

This Chinese vegetable has become very popular in many large cities. The Chinese Cabbage is very easily grown, and in fairly rich soil quickly produces handsome heads resembling Cos Lettuce. It is apt to bolt to seed during hot weather, therefore best results are obtained by sowing seed the latter part of the summer (August 1st to 15th) and having plants stand about 15 inches apart in the rows. Heads are easily blanched and may be used as a salad or boiled like cabbage. Plants are rather tender and will not stand frost.

C55. Pe-Tsai, Chinese or Celery Cabbage. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$3.00.



Pe-Tsai, or Chinese Cabbage.

CAULIFLOWER SEED

One ounce will produce about 2000 plants.

Cauliflower, although one of the most delicious vegetables, is but little grown except by professional gardeners because of the erroneous notion that it is so difficult to grow that only the skilled gardeners can produce it. Any one will be reasonably sure of success with this most desirable vegetable if the culture directions given below are carefully followed.

CULTURE. Sow the seed in a hotbed in January or February, and when the plants are large enough transplant three inches apart in boxes or in other hotbeds until time to plant out. If hardened off they are seldom injured by planting out as early as the ground can be properly prepared. Dig the space each way. Keep them well hoed and stir the earth gradually up to their stems, watering freely in dry weather, and especially when they begin to head. Cauliflower succeeds best when planted in frames at the close of winter and brought to maturity before the summer heat sets in. The late varieties mature in the autumn and are sown and managed similar to winter cabbage.

The
Twentieth
Century
Cauliflower.



3. The Twentieth Century. Where other Cauliflower fails, gardeners should try this strain. The heads are all large, and every plant will make a head when the conditions are right. In Long Island, N. Y., this strain has given the best satisfaction. The heads are large, compact and white, weighing more than any other sort. The outside leaves are smaller than any other variety; for this reason it can be planted closer, thereby getting a greater number of heads to the acre. It is the earliest and makes big money for the grower. **Pkt. 10 and 15 cts.; 1/2 oz. \$1.50; oz. \$2.25; 1/4 lb. \$8.00.**

33. The Success. Having received many inquiries for a satisfactory variety to produce heads late in the season, we were much pleased when our attention was called to The Success. With the introduction of The Success we feel many gardeners may now prolong their growing season. It forms firm large curds or heads, pure and white in color, and always solid and firm. **Pkt. 10 and 15 cts.; 1/2 oz. \$1.00; oz. \$1.75; 1/4 lb. \$6.50.**

24. Early Snowball. Our seed this season is as usual from selected stock, and we go to the grower knowing that we give them seed that has been grown for us by the best grower in Europe. It grows dwarf, with large, white heads, and very early. Our sales have increased each year in the sale of Cauliflower, and we have spared no expense in perfecting this fine strain. We feel sure that if you once try this seed you will have no other, because it is the best. As a profitable crop there are few that equal it, and anyone who gets our seed should make a success and money. Good Cauliflowers always sell. **Pkt. 10 and 15 cts.; 1/2 oz. \$1.25; oz. \$2.00; 1/4 lb. \$7.00.**

166. Veitch's Autumn Giant.

This is known on the Pacific Coast under the name of California Wonder. It is very late in maturing and heads or curds are not so well formed nor so tight as those of the earlier varieties. **Pkt. 10 and 15 cts.; 1/2 oz. \$1.25; oz. \$2.00; 1/4 lb. \$7.00 by mail postpaid.**

COLLARDS

A great many people look upon the lowly collard, or "Georgia Cabbage," as some jokingly refer to it, as something not worth while growing. Now there are thousands of collard patches scattered over the South, and most Southern people like them. The collard is an old-time favorite, adapted to all parts of the South, and as a producer of "greens" for boiling in winter and spring it has no equal. It will pay you to have a collard patch just to give your cows an occasional taste of "gren stuff." Sow any time up to September 1st.

C50. Southern, or Georgia. This variety is the old-time favorite. Stands all sorts of adverse conditions without injury. It is very hardy, standing winters as far north as Atlanta. In many places where the soil is too poor to grow cabbage, the collard grows easily and makes a good substitute for cabbage. **Pkt. 5 and 10 cts.; oz. 15 cts.; 1/4 lb. 30 cts.; lb. \$1.00.**

Dear Mr. B:—
North Chattanooga, Tenn.
Please send me your seed catalog for 1920. We'll
be pleased with seeds this year.

FREE DELIVERY. Packets, Ounces, Quarter-Pounds, or Pounds, of all seeds excepting Beans, Corn, and Peas ordered at list prices, will be sent **FREE** by Mail or Express.

TABLE CARROTS

Three ounces of seed to 100 yards; four pounds to the acre.

Arrange for an ample supply of Carrots, as they are highly nutritious, and if sowings are frequently made it is possible to maintain a supply of roots the year round.

CULTURE. Carrots, to grow to perfection, require a deep, rich, sandy loam, well pulverized and deeply cultivated. For an early crop sow in May and June in drills about 1 foot apart, thinning out to 4 inches in the row; sow for winter crop in June and July. It is very important to tread the rows firmly after sowing the seed.

177. Early Golden Ball, or French Forcing.

A very desirable variety for forcing and also supplying early roots from the open ground. The small round roots measure about 1½ inches in diameter, are smooth, tender and of good flavor. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.25, by mail postpaid.

37. Danver's Half Long Orange. A handsome cylindrical-shaped carrot of good size. It is of rich, dark orange color, grows to a large size, is smooth and the flesh very close in texture, with little core. It is a first-class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with the smallest length of root of any now grown. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.

AC61. Chantenay, or Model. Broad stump roots measure 5 inches long and 3 inches in diameter at shoulder. Roots are smooth, flesh tender and fine grained; color deep orange. A most popular variety in all markets. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts., by mail postpaid.

134. Ox-Heart Selected Stock. A thick carrot, 5 inches long and very blunt at the lower extremity. It grows very rapidly and the roots attain a weight of more than a pound. It is tender, and of a deep red color, and is a variety we can recommend to all market gardeners. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.

161. Half Long Stump-Rooted Nantes Strain. One of the most popular sorts. The half-long roots measure 6 inches long by 1½ inches in diameter. Flesh tender and sweet; color rich orange. Pkt. 5 and 10 cts.; ¼ lb. 30 cts.; lb. 85 cts.

A87. Half Long Pointed. A well-known strain; productive. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.

AC5. Pride of the Market. This beautiful, medium size pointed-root carrot is just what gardeners want for an early crop. In color, earliness, size, form and shape it excels all other sorts. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.

C61. Early Rubicon.

A half long Orange, stump-rooted Carrot, of a beautiful, deep-red orange color. It

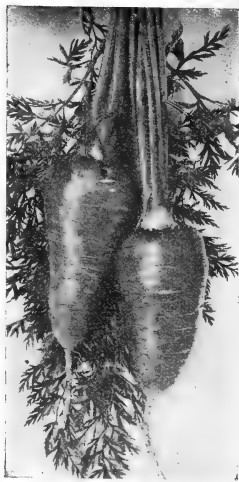
Long Orange Carrot.

is earlier than Danvers, about the same length, but heavier and thicker at the shoulder, making it more productive. It is a wonderfully heavy cropper, producing 3 to 4 tons to the acre under good culture. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.

100. Nichol's Long Orange Improved. One of the most desirable for either garden or field culture. It grows to large size, fair specimens average 12 inches in length and 3 inches in diameter at the top. All who have cattle should raise a surplus of this carrot for feeding milch cows during the winter. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.

C5. Henderson's Intermediate. One of the best main crop carrots. It is noted for its smoothness of shape, its tenderness of flesh and beauty of color. It is free from any coarse, rank flavor. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.

170. Early Scarlet or Dutch Horn. An excellent table variety, for planting out of doors, with orange red roots about three inches long. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.



Danver's Half Long Carrot.



Ox-Heart Carrot

CELERY

One ounce will produce about 3000 plants, and sow about 200 feet of row.

CULTURE. Sow the last of March or early in April in an open border, in soil, well-worked, in shallow drills, wintering them in dry weather. Cut the tops off once or twice before planting out to make them stocky. When the plants are 5 or 6 inches high transplant the dwarf varieties 5 feet and taller sorts 4 feet between rows; plant 6 inches apart in the row. Cultivate well, and when large enough to blanch by earthing up. The first operation is that of "banking," generally done the beginning of September. After the soil has been drawn up with a hoe, it is drawn closer around each plant by hand to keep the leaves firm in an upright position and prevent spreading. When the plants have become "set" in an upright position and the celery is wanted for early use, they should be "banked."

94. French Golden Self-Blanching.

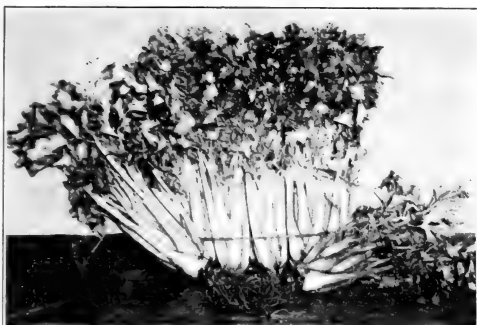
This is the best early celery in cultivation. Since its introduction, in 1884, it has been steadily increasing in sales, until now it is the main early celery raised by market gardeners. The beautiful appearance of the plant, with its close habit, compact growth and straight, vigorous stalks, is faithfully shown in the illustration. The ribs are perfectly solid, crisp, brittle and of delicious flavor. It is self-blanching to a very remarkable degree, for without banking up or any covering whatever, even the outer ribs become a handsome, fresh, yellowish white color. The heart is large and solid and of a beautiful, rich, golden yellow color. Pkt. 5 and 10 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.65; lb. \$6.00.

185. Easy Blanching. This splendid new variety is dwarf and compact in habit; light-green foliage. It is very easily blanching and might be termed second early, following Golden Self-Blanching. For winter and spring use, it is a splendid keeper. The flavor is first class, while the stalks are pure white, heavy and crisp. Pkt. 5 and 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

71. White Plume. While very early and easy to blanch will not keep long after taken from the trenches. As the stalks become ready for use they take on a pure white, even though not earthed up. The hearts are better if the stalks are slightly earthed up. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.



Large Smooth Prague Celериac.



Golden Self-Blanching Celery.

135. Bolgiano's Golden Heart. This is the old standard sort which has satisfied gardeners these many years. It is crisp, solid, handsome, the most excellent flavor, with a beautiful golden heart. Pkt. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

C11. The Shumacher. The stalks of this splendid variety grow to an immense size, and are perfectly solid and crisp. It has a firm and beautiful golden heart, and the flavor is first class. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

46. Winter Queen. Is beautiful in appearance, of close habit and compact growth, and blanches to an attractive cream white. Ribs perfectly solid, crisp, and of a delicious nutty flavor. Pkt. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.75.

15. Giant Pascal. The stalks are very large, thick, solid, crisp and a rich nutty flavor, free from any taste of bitterness. Blanches very easily and quickly and retains its freshness a long time after being marketed. The heart is a golden yellow, very full and attractive. Pkt. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

20. Boston Market. Forms a cluster of heads and should be blanching by earthing up. A popular market garden variety. Pkt. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

67. Flavoring Celery. Cannot be used for growing purposes, but is an excellent spice for soups, salads, etc. Oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.

29. Hartwell's Perfection. Magnificent, large, golden-yellow heart, of superior quality, excellent winter market sort. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.25.

CELERIAC

(TURNIP-ROOTED CELERY)

CULTURE. Sow the seed the same season as celery. Transplant the young plants to moist, rich soil in rows 2 feet and 6 inches apart in the row.

23. Large Smooth Prague. A new and quite distinct sort, roots being very smooth, large and round. Of a very distinctive flavor; the roots may be boiled or used in flavoring other dishes. Pkts. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

Manassas, Va.

Dear Mr. B:—

I enclose Money Order for \$5.14 and the list of seeds I want. I thank you for the information in regards to the postage.

Everything I ever bought from you has always been perfectly satisfactory, and I'm sure it will be the same in this case.

SUGAR, or SWEET CORN

ALL OUR CORN IS EASTERN GROWN

For mailing see Parcel Post Rates opposite page 1. One quart weighs about 2 lbs. One quart to 200 hills; 8 to 10 quarts to the acre.

Sweet Corn is undoubtedly one of the most popular vegetables the world over. It is a very simple matter to have a full supply of ears throughout the entire growing season—make sowings every two weeks.

CULTURE. The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May or until the ground has become warm; for succession continue planting every two weeks until the middle of July in rich, well-manured ground, in hills 3 feet apart each way, covering about $\frac{1}{2}$ inch, and thin out to 3 plants to a hill. The extra early varieties can be planted 18 inches in a row and $2\frac{1}{2}$ feet between rows.

Extra Early Ideal. The earliest, best, most profitable corn ever introduced. Large ears, sweet, delicious flavor, tender and extremely early. See also page 3. Pkts. 10 cts.; pt. 20 cts.; qt. 35 cts.; gal. \$1.00; peck, \$1.75; bus. \$6.00.

Adams' Extra Early. Largely grown for early market. Pkt. 10 cts.; pt. 15 cts.; qt. 25 cts.; peck, \$1.40; bus. \$4.50. Ears, 75 cts. per dozen.

Second Early Adams' Corn. Ears are all larger and later than Adams' Extra Early. Pkt. 10 cts.; pt. 15 cts.; qt. 25 cts.; peck \$1.40; bus. \$4.50. Ears, 75 cts. per dozen.

Mammoth White Cory.

Stalks grow four feet high, generally bearing two large, finely shaped ears, fit for use in about seventy days. Ears are twelve rowed, 6 to 7 inches long, very symmetrical and handsome. Pkt. 10 cts.; pt. 20 cts.; qt. 35 cts.; qt. 35 cts.; gal. \$1.10; peck, \$1.85; bus. \$6.50.

Golden Bantam. One of the sweetest corns grown. It is a dwarf, medium early variety of exceptionally good quality. In all respects it is a gem—in size of plant, ear and grain. It is particularly well adapted to small gardens on account of its small size; to the more pretentious on account of its excessive cropping ability on a given area, and to all because of its superb quality and luscious satisfying flavor. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; gal. \$1.30; peck \$2.15; bus. \$7.50.

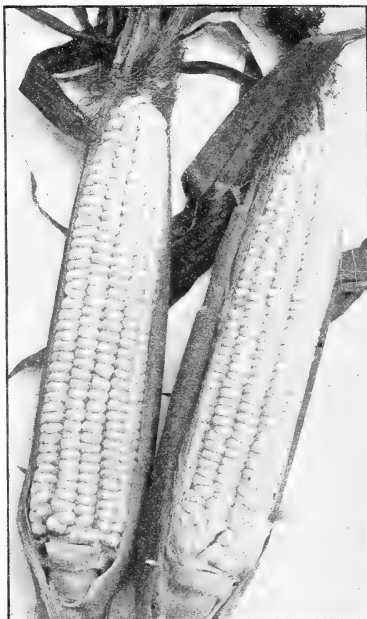
Golden Evergreen. A splendid variety to follow Bantam. The ears are larger and better filled. Full description on page 3. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; gal. \$1.40; peck \$2.50; bus. \$9.00.

Premo. Extra early; very large ears; fine quality. Pkt. 10 cts.; pt. 20 cts.; qt. 35 cts.; gal. \$1.10; peck \$1.85; bus. \$6.50.

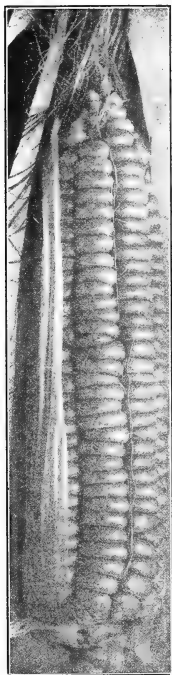
Peep-o-Day. The two points of this remarkable Corn are its extraordinary earliness and unparalleled sweetness. So marked is its sweetness and delicacy of flavor that many of our customers plant Peep-o-Day exclusively, arranging the plantings a few days apart so as to have this delicious Corn throughout the season. The stalks bear from 3 to 5 ears each, and the growth being dwarf—about 4 feet. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; gal. \$1.25; peck \$2.00; bus. \$7.00.

Extra Early Evergreen. It ripens about ten days earlier and is equally as good. It is a splendid variety to come in between the early and late sorts, and is destined to become popular. Pkt. 10 cts.; pt. 20 cts.; qt. 35 cts.; gal. \$1.00; peck \$1.75; bus. \$6.00. Ears, \$1.00 per dozen.

Early Mammoth Sugar. Sweet, delicate flavor, producing a large ear and a small sized cob, which fills out to the end perfectly. Pkt. 10 cts.; pt. 20 cts.; qt. 35 cts.; gal. \$1.10; peck, \$1.85; bus. \$6.50.



Extra Early Ideal Sweet Corn.



Golden Bantam.

Money for postage must be included with all mail orders for corn unless shipped by express.

LATE SUGAR CORN

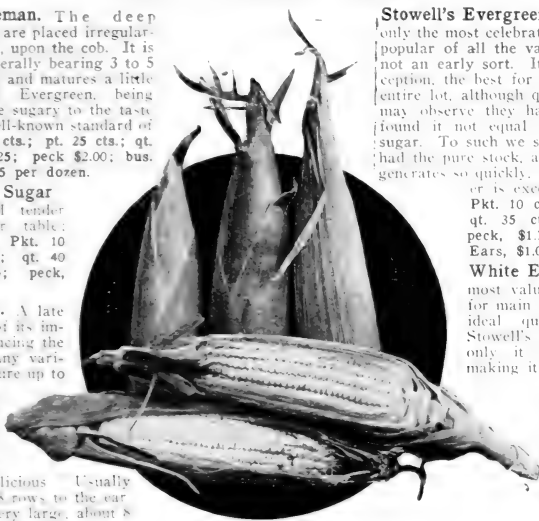
Country Gentleman. The deep shoe-peg kernels are placed irregularly, but compactly, upon the cob. It is very prolific, generally bearing 3 to 5 ears to the stalk, and matures a little before Stowell's Evergreen, being sweeter and more sugary to the taste even than that well-known standard of quality. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; gal. \$1.25; peck \$2.00; bus. \$7.60. Ears, \$1.25 per dozen.

Black Mexican Sugar

Very sweet and tender when ready for table; grain is black. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; gal. \$1.35; peck, \$2.25; bus. \$8.00.

Late Mammoth.

A late sort on account of its immense size, producing the largest ears of any variety. These measure up to 14 inches in length, and are well filled with large, broad, white kernels, which are sweet, tender and delicious. Usually there are 16 to 18 rows to the ear. The stalks are very large, about 8 feet high, and productive. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; 4 qts. \$1.25; peck \$2.15; bus. \$7.50. Ears, \$1.00 per dozen.



Capital City Select Strain
Stowell's Evergreen.

Stowell's Evergreen. This is not only the most celebrated, but the most popular of all the varieties, although not an early sort. It is, without exception, the best for table use of the entire lot, although quite late. Some may observe they have tried it and found it not equal to the ordinary sugar. To such we say you have not had the pure stock, as no variety degenerates so quickly, unless the grower is exceedingly careful.

Pkt. 10 cts.; pt. 20 cts.; qt. 35 cts.; gal. \$1.00; peck, \$1.75; bus. \$6.00. Ears, \$1.00 per dozen.

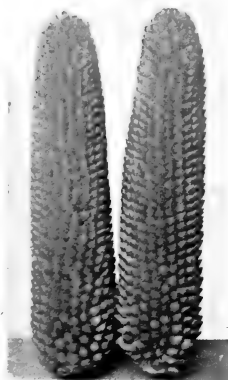
White Evergreen. The most valuable sweet corn for main crop. It has the ideal qualities of the Stowell's Evergreen Corn, only it is pure white, making it the most desirable late corn for market and home gardeners. Pkt. 10 cts.; pt. 20 cts.; qt. 35 cts.; gal. \$1.00; peck, \$1.75; bushel, \$6.00.

Howling Mob. This splendid flavored sweet corn grows 4 to 5 feet high, producing two good ears to the stalk, which measures 7 to 9 inches in length. In season this corn ripens about 4 to 6 days later than White Cory. Its unusual name arose from the fact that the Market Gardener who originated this strain had so many people crowded about his stand that it was really a mob calling loudly for his corn. Pkt. 10 cts.; pt. 20 cts.; qt. 35 cts.; peck, \$1.85; bus. \$6.50.

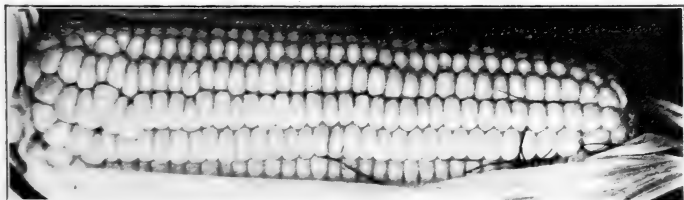
202. Rice Pop Corn for Popping or Seed. A very handsome variety; ears short; kernels long, pointed; very prolific; no variety of pop corn is superior to this for popping. 15 cts. per lb.; if by mail, 25 cts. per lb.

FREE DELIVERY. Packets, Ounces, Quarter-Pounds, or Pounds, of all seeds excepting Beans, Corn, and Peas ordered at list prices, will be sent FREE by mail or express.

Moneys for postage must be included with all mail orders for corn unless shipped by express.



White Rice Pop Corn.



Howling Mob.

SELECTED VARIETIES OF FIELD CORN

Too much care cannot be given to the growing of field corn, which has been acclimated to the locality, and that care has been used in selection of the seed stock. Why produce 50 bushels to the acre when with the same work and same fertilizers you can grow from 70 to 100 bushels to the acre?

Boone County White (Pedigreed Stock).

A pure white corn on a white cob. Very deep grain, not overly wide. Rows generally 20, sometimes 22 to 24. A perfect shape. That is the striking thing about it—big, long ears, beautiful shape, perfect butts and tips, and deep grains. Grains fit very tightly together, showing a square rather than a rounded top. Stalks very strong and of medium height. Ears always lop over, but shanks are not long enough to blow off easily. Season about 110 days. Ripens in plenty of time in this latitude and 100 miles north. Pt. 15 cts.; qt. 20 cts.; peck, \$1.00; bushel (56 lbs.), \$3.50.

Improved Leaming. This matures in from 100 to 110 days and is very productive—on good land the stalks grow tall and frequently carry two ears. The ears are long, with small red cob filled with golden yellow kernels. Pint 15 cts.; quart 20 cts.; peck \$1.00; bushel \$3.50.

Money for postage must be included with all mail orders for corn unless shipped by express.

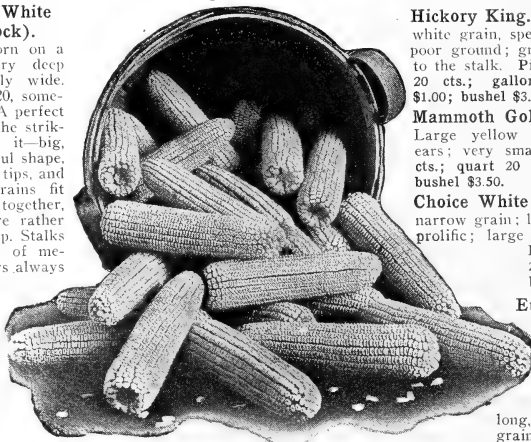
CORN SALAD

One ounce will sow about 18 square feet and six pounds will sow an acre.

112. Broad Leaved (Large Seeded). A delicious salad, used during the winter and spring months as a substitute for lettuce, and is also cooked and used like Spinach. Sow in spring in drills 1 foot apart. It will mature in six weeks. For early spring use sow in September and winter over like spinach. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.50.



Corn Salad.



Hickory King. Broad, large, white grain, specially adapted to poor ground; grows 2 to 3 ears to the stalk. Pint 15 cts.; quart 20 cts.; gallon 60 cts.; peck \$1.00; bushel \$3.50.

Mammoth Golden Beauty.

Large yellow grain; fine size ears; very small cobs. Pint 15 cts.; quart 20 cts.; peck \$1.00; bushel \$3.50.

Choice White Dent.

Long narrow grain; large fodder; very prolific; large ears, small cob. Pint 15 cts.; quart 20 cts.; peck \$1.00; bushel \$3.50.

Eureka Ensilage.

This is a remarkable corn, producing an immense amount of fodder and a heavy crop of long, slender ear with grain of high quality. We do not know of anything finer for ensilage than this variety, and every farmer should plant it freely. Do not fail to try it this year. Pint 15 cts.; quart 20 cts.; peck \$1.00; bushel \$3.50.

Mister B says: When the cows get in the corn, don't cuss them out; drive them out and replace the fence.

CHICORY

22. Witloof (French Endive). Witloof Chicory is used principally as a winter salad. The seed should be sown in the open ground not later than June. The plants form large parsnip shaped roots which are lifted in the fall, trimmed of leaves and stored in soil in a cool place until wanted for forcing. The roots can be forced in any warm cellar or room, requiring about one month to make edible sprouts. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

CRESS

CULTURE. Sow thickly in shallow drills every 2 or 3 weeks. It should be cut often, and it will continue to grow. It is useful not only for salad, but for the breakfast table and for garnishing. True Water Cress should be sown in damp soil; or, if a stream of water can be utilized, they will be much finer. They will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad, it is a good plan to sow with Water Cress seed a strip 4 inches wide on the outer margin of a hotbed, inside the frame, where it is always cool.

21. True Water. It thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small, rapid streams. Pkt. 5 and 10 cts.; oz. 35 cts.; ¼ lb. \$1.15; lb. \$4.00.

215. Wild Garden. Largely used for pork salad; has a delicious pungent taste. Pkt. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.50.

One Ounce
to Fifty Hills

CUCUMBER

Two Pounds
Plants One Acre

CULTURE OF CUCUMBER. For early cucumbers sow the first of April in a hotbed upon pieces of sod (grass side down); so that they can be readily transplanted to the open ground in rich soil when danger of frost is over or protect by hand glasses. For early use plant if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill after all danger from insects is over; they succeed best in moist, rich, loamy soil; continue planting at intervals for a succession. The cucumber should be gathered when large enough for use, whether required or not; if left to ripen it destroys the productiveness. For pickles, plant from June until the middle of July.

Bolgiano's Early Fortune Cucumber.

131. Bolgiano's Early Fortune. Thousands of expert growers everywhere have proven by actual test that Bolgiano's Early Fortune Cucumber is the earliest and by far the best, rich dark green cucumber on earth. Early Fortune is the earliest, best cucumber for table, market or shipping purposes. It is the greatest producer of all varieties, and at all stages of its growth it is a model in shape, being the handsomest and most attractive cucumber ever grown.

In color Early Fortune is a rich, attractive deep green. This inviting color it retains during a much longer period of growth than any other variety; it is so regular in form, one so much like the other, growers marvel at the purity and truthness of our stock. The quality is superb, flavor delicate, refreshing and delightful, entirely free from any bitterness, fine grained, the flesh compact, it is exceedingly crisp and brittle, making it an ideal slicing cucumber. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.

73. Arlington White Spine. Our selected strain of this famous cucumber is by far the best type on this or any other market. We have this season grown only from seed produced from cucumbers that were simply perfect in every respect. Dark, rich green color and holding its color long after other sorts have gone yellow and become unsuited for the market. A crop of our stock of Arlington White Spine is sure to make trade for any market garden, and for home use it surpasses all other kinds. As a shipper it has few equals. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.

109. Davis Perfect. Davis Perfect Cucumber resembles a hot-house cucumber so closely that it is difficult for some dealers to tell the difference. Equally good for hot-house or outdoor culture. It is ideal in shape, rich, dark green color, uniform and regular in size. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.

107. Jersey Pickle. Fine green color. Used for pickling almost entirely. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.

190. Snow's Pickling. An early maturing, very small, dark green cucumber, cylindrical, square ended, and very popular with growers of small pickles. We have been growing this variety ourselves for several years, giving special attention to purity and uniformity of type and we believe the seed we offer meets in all respects the requirements of those who want an ideal bottle pickle. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.00.

156. Long Green. It is vigorous and productive. The mature fruit is almost 12 inches long. The skin is of a deep green, and the flesh is solid, crisp and of fine quality. Especially recommended for pickling. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.15.

2. Gherkin, or Small Burr. Grown exclusively for pickling. Always pick when young and tender. Seed slow to germinate, requiring from 10 to 12 days. Pkts. 5 and 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.50.

186. Klondike. This valuable variety is one of the best for slicing, and will produce cucumbers similar in appearance to the hot-house grown specimen. The color is rich dark green, and the fruits grow to a uniform size, measuring about 7 inches in length and 2 inches thick when in good condition for use. It matures early. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.

86. White Spine Extra Early. An extra-early strain of the popular White Spine. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.

A86. Evergreen. Very early and prolific; deep green color. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.



Arlington White Spine

ENDIVE

One ounce will sow
150 feet of row.

Endive is one of the best salads for fall and winter use. Sow for an early supply about the middle of April. As it is used mostly in the fall months, the main sowings are made in June and July. Plant one foot apart each way. When the plant has attained its full size gather up the leaves and tie them by their tips in a conical form. This excludes the light and air from the inner leaves until blanched.

43. Green Curled. Self-blanching. The best in cultivation. Much more beautiful and ornamental than the old sort. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

162. White Curled. As the color of the leaves is a light golden yellow, little or no blanching is required. Very easily grown, and plants may be gathered for use at any time. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

C37. Escarole, or Broad-Leaved

Batavian. Leaves a pale green; requires very little blanching. More productive than green curled. Forms large heads of broad thick leaves. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.



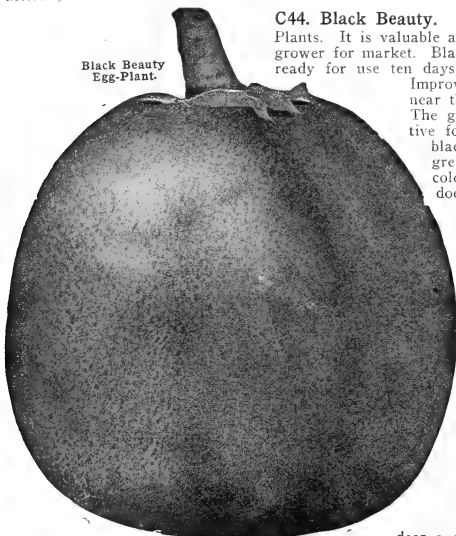
Green Curled Endive.

EGG-PLANT

One ounce Egg Plant Seed
will produce about 500 plants.

CULTURE. Egg-Plant seed should be sown very early in hotbed; the plants, being very tender, must be protected from frost, but exposed as far as practicable to light and air to harden them. Egg-Plant seed will not germinate freely without a strong uniform heat; if they get the least chilled they seldom recover; therefore, repeated sowing is sometimes necessary.

Black Beauty
Egg-Plant.



C44. Black Beauty. The earliest and best of all large-fruited Egg Plants. It is valuable alike to the private planter and the extensive grower for market. Black Beauty produces fruits fully as large and ready for use ten days to two weeks earlier than the New York Improved Purple. The plants branch very freely near the ground and grow in well-rounded bushes. The grand, large fruits are thick, of most attractive form. The skin is a rich lustrous purplish-black—the satin gloss and rich coloring adding greatly to its beauty. The intensely brilliant coloring is uniform over the whole fruit and does not fade or change to a lighter color.

Pkts. 5 and 10 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50.

65. New York Improved Large Purple Thornless. In shape, color and size this Egg Plant is perfection; its rich, glossy, dark purple color, its beautiful form and large size make it most attractive for the markets and for shipping.

Pkts. 5 and 10 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.35; lb. \$5.00.

216. Florida High Bush. Has proved of the greatest value to the Southern truckers and shippers. It is remarkable for its vigorous growth and productiveness; is very hardy and will stand more cold weather than the New York Improved. The hot sun does not blight the blossoms. It grows from 3 to 4 feet high, erect and sturdy, free from thorns. Fruit is large, oblong in shape and purple, though not so

deep a color as the New York Improved, but keeps

its freshness and condition much longer than any other variety. Pkt. 5 and 10 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25; lb. \$4.50.

KOHL-RABI, or TURNIP-ROOTED CABBAGE

One ounce sows 300 feet of drill.

CULTURE. Sow in spring, in rows 18 inches apart, afterward thinning the plants to 8 or 10 inches. If the weather is suitable, the thinning may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stems above ground are 2 or 3 inches through they are fit to eat, and should be used at once, being tough when old. Cook same as turnips.

187. Early White Vienna. When young and tender, and properly prepared for the table, it is almost equal to cauliflower. Besides, it is a certain crop, requiring no more care or cultivation than a crop of cabbage. For an early crop sow in a hot bed early in spring, and treat the same as directions given for early cabbage. For a fall crop sow in June. Pkts. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

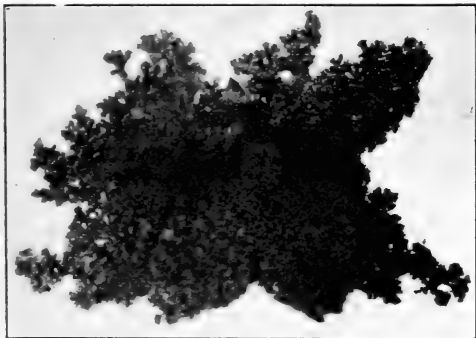
KALE, or BORECOLE

One ounce will sow 200 feet of drill; 1 $\frac{1}{2}$ pounds to the acre.

CULTURE. Kales are more hardy than cabbage, and make excellent greens for winter and spring use, being improved by frost. Sow from May to June and cultivate same as cabbage.



Early White Vienna Kohl-Rabi.



Curled Scotch, or Norfolk Kale.

121. Extra Dwarf Green Curled Scotch, or Norfolk.

This is one of the best kales for spring sowing in the South for Northern markets. It is hardy and will remain over winter in any place where the temperature does not go below zero. The habit is very dwarf and spreading, and will rarely exceed 18 inches in height. The leaves are of dark green color, beautifully curled and produced in great abundance. Pkts 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

69. Tall Scotch. Grows about two feet high with abundant dark green very curly leaves. Very hardy. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

92. Curled Dwarf Green. Hardy; stands the frosts of our severest winters, grows rapidly, dwarf habit, and is beautifully curled. Thousands of acres are sown in this section to supply the market. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

121. Borecole, or Kale. This is a most beautiful kale. About Baltimore it is sown in May, and transplanted like cabbage to stand over winter. Around in Norfolk it is grown largely broadcast, like the German kale, for early shipment. It is most desirable and will continue to grow in favor. Pkts. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

66. Imperial Curly Long-Standing. Is a beautiful curled and crimped sort, of strong, vigorous habit; perfectly hardy, bright green color, and very attractive in appearance. It will stand longer without shooting to seed than any other variety. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.

LEEK

One ounce to sow a drill of 100 feet.

CULTURE. The leek is very hardy, of easy culture, and succeeds best in a light soil. Sow early in April in drills 1 foot apart and 1 inch deep. When the plants are 6 to 8 inches high transplant in a deep, rich soil in rows 12 inches apart and 6 inches in the rows, as deep as possible, so that the neck may be covered and blanched; draw the earth to them as they grow. The seed may also be sown in August or September, and the young plants transplanted in the spring.

50. Extra Large Leek. It is the best. This mammoth leek is not to be compared with the old kinds. It grows much larger and is very handsome. Pkts. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

Broad London, or Large American Flag. A very strong growing variety with large thick stems of fine sweet flavor. One of the most popular varieties with large planters. Pkts. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 70 cts.; lb. \$2.25.





Big Boston Lettuce.

98. Early May King. The plants are of quick growth, practically all head and extremely handsome. From early spring plantings in the open ground they grow quickly to a diameter of 6 to 7 inches with the broad, light-green outer leaves folding closely about the round solid head; in cool weather the edges of these outer leaves are lightly tinged with brown. The inner leaves (practically the entire head) are blanched into a rich golden yellow and have a specially fine, rich, buttery flavor. The round solid heads are so firmly folded that they can be shipped to distant markets and arrive in good condition. We recommend repeated plantings of this fine early variety in the spring, and again during August and September for fall use. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.50.**

146. Golden Queen. One of the best first extra early head Lettuce for either open ground or frame culture, and a good forcer; medium size, solid, golden yellow heads, crisp and tender. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.50.**

219. Earliest Wayahead. Shows a remarkable combination of earliness, firm heading character, handsome appearance and fine quality. Both in cold frames early in the spring and in the open ground—in spring, summer and early fall months—it has proved to be not only the very earliest and surest heading of all early lettuces ever grown, but also of the very finest quality at all seasons. Wayahead is not only earlier than "May King" and other choice extra early varieties, but the heads are larger and more tightly folded. Outer leaves are light green, inner leaves are nicely blanched to a rich buttery-yellow tint; stands a long time before running to seed. **Pkts. 5 and 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00.**

198. Bolgiano's Golden Heart. (For description see page 4.) **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.50.**

LETTUCE— EARLY TYPES

One ounce will sow 200 feet of drill.

Lettuce in certain localities may be produced in a satisfactory way "the year round." As all know, lettuce makes one of our most appetizing and delicious salads. There are many varieties of lettuce, and in order to assist the planter we have carefully classified them, thus making it an easy matter to select the kinds desired.

CULTURE. Sow the seed in hotbeds in February or March, transplant into a sheltering border with a southern exposure. For successive crops sowing may be made in the open ground as early as the spring opens and continuing until July. Always thin out well, or the plants will not be strong. When wanted as a cut salad, sow the seed thickly in rows or broadcast.

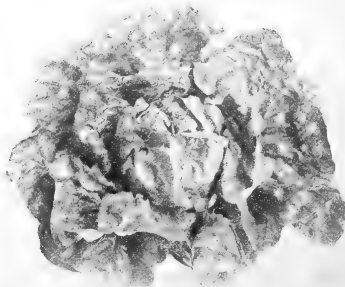
58. Big Boston (Special Stock) Big, compact, tender and crisp creamy-white heads. Whether grown in the open ground for summer and fall use, or in frames for spring, it invariably gives both grower and user the utmost satisfaction, producing during all seasons, under ordinary favorable conditions, splendid, large, buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender and sweet. Although "Big Boston" is one of the best large-heading mid-summer Lettuces, it is also peculiarly adapted for late fall culture. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.50.**

Dutch Speckled Butter. It produces firm, small heads of excellent quality. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.00.**

Boston Market, or White-Seeded Tennis

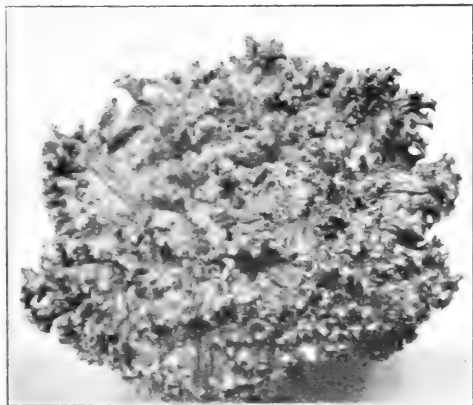
Ball. While of little or no value for outdoor planting, it is a splendid sort for growing under glass. Small hard heads. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.25.**

C54. Bolgiano's New Wonder. This new lettuce has solid round heads between 6 and 7 inches in diameter. It is hardy and very early or quick in maturing. The outer leaves are tinged with brown, but not to the extent that Big Boston is. **Pkts. 5 and 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00**



Golden Heart.

LETTUCE—LOOSEHEAD, CUTTING VARIETIES



Grand Rapids Lettuce.

Early Curled Simpson, or Silesia.

A standard old favorite. Produces early clusters of crisp golden leaves of fine quality. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

174. Black-Seeded Simpson. Recommended both for home and market gardens. The golden yellow curly leaves are crisp, tender and mild. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

1. Bolgiano's Oak Leaf. This is very desirable for summer use, withstanding extreme heat much better than many other sorts. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

227. Grand Rapids. This does not form heads, but makes large compact bunches of light leaves with fringed edges. Its delicious quality and handsome appearance make it most popular in winter markets of many Western cities. It is useful also for outdoor planting during spring and fall. Our stock is the best it is possible to produce. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

LETTUCE—CABBAGE, or BUTTER HEAD VARIETIES

Farmer's Pride. We recommend this Lettuce, feeling that it will give the utmost satisfaction. It forms a large, solid head, slow to seed and early in forming. Its large golden heart with crumpled leaves of bright green makes it pleasing to the eye. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

195. Improved Salamander.

Especially desirable for late spring sowing. Medium sized, tender heads. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

C39. Big Head.

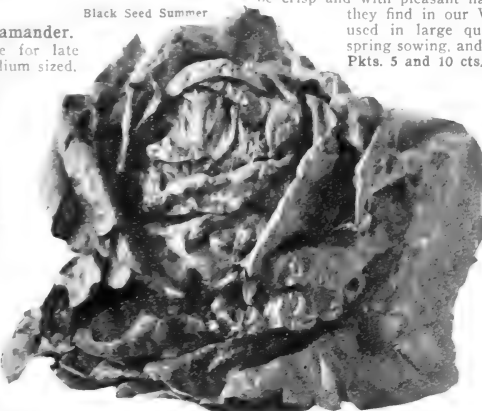
Produces exceedingly large heads of the finest quality for summer use. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

60. Bolgiano's Black Seed Summer.

A perfect heading outdoor Lettuce, especially during our dry, hot summer, because it is long standing and always tender and pleasant to the taste. It does equally well for forcing under glass in hot beds, cold frames, green-houses and for outdoor cultivation. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

C4. California Cream Butter. A fine variety for growing in the South for shipping North during the winter. The beautiful large heads blanch to an attractive white color; the outer foliage is dark green marked with small brown spots. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

Black Seed Summer



102. Bolgiano's White Loaf. Gilt edge stock for careful growers. The most experienced truckers pronounce our White Loaf Lettuce the best they ever grew. Lettuce in frames and outdoor is a most important item with our large truckers. To suit their purpose a Lettuce must form a reliable head, be crisp and with pleasant flavor. These qualities they find in our White Loaf, which is used in large quantities for fall and spring sowing, and makes a paying crop. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

11. Mammoth

Black Seed Butter

In a trial of several hundred Lettuces we were impressed with this kind for summer use. It makes a large, light green head; the leaves are slightly crumpled like our White Loaf. It withstands the summer heat. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

A25. Summer

King. It produces immense heads, often 15 and 16 ins.

across, and heavy in weight. The interior is beautifully blanched, creamy-white, crisp, tender and delicious, being absolutely free from any trace of bitterness. It is a very large, robust growing variety, rooting deeply, resisting hot, dry weather, very slow to seed, and a sure header under trying conditions. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

176. Deacon. One of the best to withstand hot weather. Produces fine large heads of delicious flavor. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.



Bolgiano's White Seed Summer Lettuce.

225. New York (Wonderful, or Los Angeles. The plants are extra large and produce heads of immense size with the leaves closely folded; inner portion blanches easily, and leaves are always crisp and tender. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

Hanson Improved. Is uniformly sure heading; grows to a large size, and the heads blanch easily and are always solid; leaves crisp, mild and tender. One of the best to grow for the summer markets. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.



Cos Lettuce.

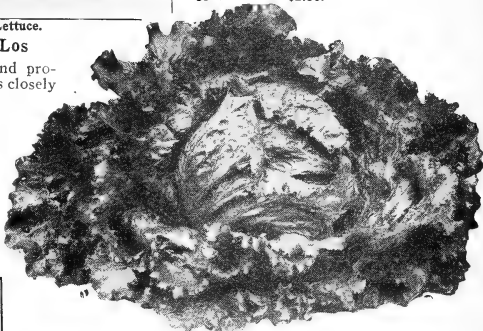
C30. Bolgiano's White Seed Summer. A splendid hard heading Lettuce that will stand the heat and make at the same time a large head with a golden heart, free from a bitter taste. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

132. Hubbard Market. One of the very best Lettuce for planting in the fall to stand over winter, either in cold frames or outside. Makes a large, solid head, with outside leaves a delicate green, and inside head a fine light color of superior quality. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

LETTUCE—CRISP-HEAD VARIETIES

191. Iceberg. This is adapted for sowing for either spring or summer use, and no matter the season the leaves are always tender. The Iceberg Lettuce has become most popular in family gardens.

Pkts. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.



Iceberg Lettuce.

209. Early Prize-Head. Produces a large head of curly leaves with edges heavily shaded with brown. Very popular for summer use. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

LETTUCE, COS, or CELERY

(ROMAINE)

Cos Lettuce, or Romaine, as it is frequently called on some markets, is not so generally grown as it should be in the United States.

In the South, Cos Lettuce succeeds best during the early spring months, or late in the fall.

172. Eclipse, or Express. Very early. The plants are of stiff, erect, compact growth, and attain a height of about 6 inches. The leaves fold so neatly and tightly as to make tying up unnecessary. The head blanches to an almost pure white, and the leaves are always mild in flavor. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

C23. Trianon (Paris Self-Folding White). Of rather tall growth and produces large conical shape heads. The long leaves blanch an almost snowy white, and are usually eaten like celery, hence it is sometimes called Celery Lettuce. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

MUSKMELON, or CANTALOUPE

One ounce will plant 50 hills;
2 or 3 pounds in hill per acre.

CULTURE. Melons thrive best in a rich, light soil. Plant early in May, when the ground has become warm and dry, in hills six feet apart each way for muskmelons, eight feet for watermelons. Previous to sowing the seed, mix a few shovelfuls of well-rotted manure in each hill, and plant in each twelve to fifteen seeds; after all danger of the bugs is over, thin out to three plants per hill. When about one foot long, pinch off the tips to make them branch, as it strengthens the growth of the vines and makes the fruit mature earlier. Give plenty of water and feed liquid manure occasionally. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.

41. Sweet Air. A splendid Melon for all purposes. Be sure to read our full description on Page 3. Pkts. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

C32. Knight. A Melon which has made fast friends among those who once have grown it. Read our special description on Page 3. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

C8. Emerald Gem. The melons weigh about 1 $\frac{1}{2}$ pounds and are somewhat flat at stem and blossom ends. The skin is smooth and free from netting, and is ribbed. Seed cavity small and the salmon flesh is thick and of finest flavor. Ripens early and, although too soft for distant shipping, is highly recommended for near-by markets and home gardens. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.

C27. Jenny Lind. Small-fruited green-fleshed variety of finest flavor. Early and productive. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.

AC32. Maryland. It is ten days earlier than the Rocky Ford. The vines are of a strong, healthy growth, branch freely, setting a large number of fruits close to the hill. The Melons are fine and regular in size and form nearly round or slightly oval and very closely netted. Flesh bright green, luscious in flavor, and ripens close to the skin. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.50.

54. "Tip Top." Ought to be planted more generally. Sweet, juicy, finest flavored, firm (but not hard) fleshed, and eatable to the outside coating. Its appearance on the market is very attractive. Sells on sight. The fruit is of large size, nearly round, evenly ribbed and moderately netted. It is also perhaps the most productive melon known. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.

Eden Gem. This is one of the leading muskmelons of the Rocky Ford type. It is a medium-sized melon, nearly round in shape, very heavily netted and very slightly ribbed. The flesh is extremely thick, the seed cavity very small. It is medium early and very prolific. The vine is vigorous and will resist blight. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.

39. Rocky Ford, or Netted Gem. One of the best-known cantaloupes in the world. When this melon was first placed on the market it made a name and a place for itself. Its fine flavor, bright green, very deep meaty flesh, make it a popular variety. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.

180. Golden Sugar. It is a pleasure for us to offer again this salmon flesh melon which has given such universal satisfaction to those who have grown it. This sweet, deep-fleshed melon has a flavor that invites all who taste, while its regularity of size and tough rind recommend it to shippers. Pkt. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

A180. Pollock No. 25. This is now most popular in Rocky Ford, Col., and by many growers is considered the best of all salmon-fleshed varieties. It is very early and produces melons measuring about 6 inches long by 4 to 5 inches in diameter. The seed cavity is small and the thick flesh of a rich salmon color and finest flavor. It belongs to the solid-netted class. Pkts. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

99. Burrell Gem. Another desirable salmon-fleshed variety. Melons about same size as preceding, but they are more oval in shape, and are well ribbed. The flesh is thick and of delicious flavor. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

77. Paul Rose. Slightly oval in shape and about the same size as Rocky Ford with deep orange flesh and ripens close to the rind. An excellent shipping variety. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.

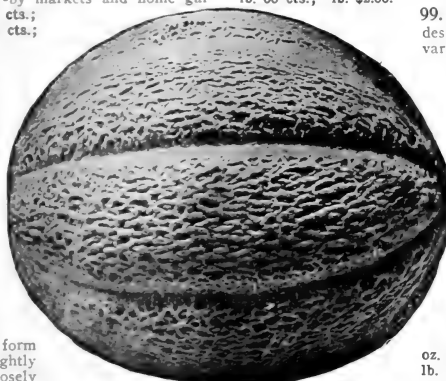
Sweet Air.

81. Bolgiano's Baltimore Nutmeg. Our seed this season have been grown from the old original stock seed. The Baltimore Nutmeg is a large green-flesh variety, sweet as sugar. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.

224. Extra Early Hackensack. Thick green flesh, is of fine flavor. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.

48. Pollock's Netted Rock, or Money-Maker. The growers in Rocky Ford have been trying to get a RUST-PROOF and BLIGHT-PROOF MELON. It is distinct in its markings, being almost entirely covered with netting, slightly larger than the Rocky Ford; very delicious in the spicy sweet cantaloupe flavor. Nearly rust-proof and blight-proof. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

C49. Honey Dew Melon. This new melon has been largely advertised. Its peculiar appearance attracts the eye. When in condition and eaten, there is nothing in the melons quite like it. A peculiar sweet pleasant taste that makes one wish his capacity was unlimited. It must be dead ripe before being prepared for the table. Pkts. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.



Four to five pounds to an acre
One ounce for thirty hills

WATERMELON

CULTURE. Same as for
Cantaloupes on Page 23.



Irish Grey.

In the planning of your garden be sure to include a few hills of Watermelons. These do not require any great effort to produce a satisfactory crop. See cultural directions on page 23 for Cantaloupes.

There is nothing more delicious on a red-hot summer day than a well-chilled Watermelon.

181. Irish Grey. The rare combination of tempting sweet flavor and a tough rind make this melon one of such superior merit that it well deserved the popularity that it has been receiving among growers for shipping and home use. One feels a little disappointed at the first sight of the light green rind, but the view and taste of the delicious interior makes fast friends. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.

64. Tom Watson. In the Tom Watson we have a decidedly good thing directly from the State of Georgia, the "Home of the Watermelon," where the Watermelon grows to a greater state of perfection probably than in almost any other part of the United States. The Tom Watson is an extra long melon of attractive appearance, uniform in shape and quality; the luscious crimson flesh is "as sweet as honey," melting and of superb flavor. The average melon will weigh 35 to 40 pounds and measure 28 inches long and about 12 inches in diameter. As a shipping melon, it has held first place and is also quite popular for home use. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.

150. Triumph. It is a cross between Duke Jones and Kolb's Gem. Has the handsome appearance and dark green color of the former and the shipping qualities of the Gem; medium season, very prolific, deliciously sweet and of enormous size. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 65 cts.

C48. Kleckley Sweets, or Monte Cristo. The finest melon for home growing and table use. Vines are strong, vigorous and the fruits grow to large size, 18 to 20 inches long and 12 inches in diameter. Skin is a rich, dark green; flesh bright scarlet, ripening close to the rind, which is but half an inch thick, so that shipping it long distances is not practicable. Crisp, sugary, melting and entirely free from stringiness. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.

Ice Cream, or Peerless. Very early; red flesh. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 40 cts.

179. Halbert Honey. This melon is as handsome in color as the Kleckley's Sweets, but more regular in form and much more productive. Growing as long as the Kleckley's Sweets, the melons are blunt both at stem and blossom end, generally free from any appearance of neck. They average 18 to 20 inches in length, 8 to 10 inches in diameter. Color of rind a clear, glossy deep green. The flesh is a beautiful crimson, extending to within less than half an inch of the rind, which, like the flesh, is so tender it will not stand shipping any distance unless carefully handled. It is essentially the home melon for the home garden and for local markets. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.

144 Improved Florida Favorite (White Seeded). Early. Fine quality; medium size; flesh deep red. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.

63. Round Light Icing. Round; pink flesh of fine quality. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.

70. Jordan's Gray Monarch. Large melons; crimson flesh; late. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.

221. Cuban Queen. Solid and heavy, finest quality. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.

88. Kolb Gem. Large; good shipper; bright red flesh; intermediate. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 40 cts.

C14. Georgia Rattlesnake. Oblong, dark and striped; bright red flesh; late. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.

120. Sweetheart. Very large; light green skin; fine quality. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 40 cts.

220. Preserving Citron. Medium size, uniformly round, used only for preserves or pickles. Color dark green, distinctly striped and marbled with light green. Flesh white and solid, but not at all suitable for eating raw. Seed red. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.

BOLGIANO'S SELECTED ONION SEED



White Silver Skin Onions—Reduced in Size.

85. White Silver Skin. This famous onion retains its great popularity. Its delicate and mild flavor, its shapely form and size, and its pure white color make it a most desirable variety for the table, for the market and for shipping. Onion sets are extensively grown from this sort, and from these sets full-size onions are grown as early as June and July. The onion sets and large onions are used for pickling purposes because of their clean, silvery white color. Pkts. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

C13. Australian Brown. It is of medium size and of good quality, very early, rather flattened in shape, brown in color, and wonderfully hard and solid. It begins to form a bulb at an early period of its growth, when only a few inches high, and quickly reaches maturity. Its leading and most valuable feature, aside from its appearance and quality, is its long-keeping quality. It will literally keep for a year or more. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

173. Yellow Globe Danvers. A popular variety of fine flavor and a splendid producer. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

C40. Southport Yellow Globe. Some gardeners claim the Eastern-grown seed produces a more solid onion than the Western-grown. Pkt. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$2.25.

36. Danver's Fine Yellow. Color brownish-yellow; bulbs quite round and of good size. This is one of the varieties grown for sets, thousands of bushels of which are annually shipped from this market to different parts of the United States. They are more hardy than the whites, and keep better through the winter. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

ONION SETS

Yellow Danvers and White Silver Skin at Lowest Market Prices. For years we have made Onion Sets one of our specialties, and this season our stock is larger and finer than ever. We are prepared to offer Onion Sets in any quantity, from one bushel to a carload. We invite you to call and inspect our sets. We will be pleased to quote prices and mail samples to any who cannot call. Prices on application.

Onion Sets by Mail. We will send by mail postpaid either Yellow or White Onion Sets at 15 cts. per $\frac{1}{2}$ lb. (about one pint) or 25 cts. per lb. (about one quart), safely packed.

One ounce will sow 100 feet of drill;
six pounds to the acre.

Our seed is unsurpassed and we feel sure will thoroughly please the most critical planters.

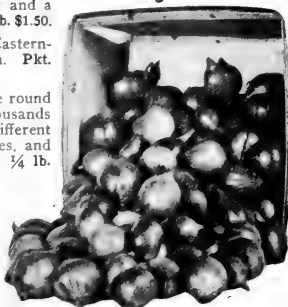
CULTURE. For sets sow the seed as early as possible in the spring, very thickly in drills. As soon as the tops die off in summer remove them to a dry, airy place, and early in the following spring replant by placing the sets in shallow drills, 12 inches apart and about 4 inches apart in the drills. The onions obtained by that process are of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills 1 foot apart and about $\frac{1}{4}$ inch deep in March or early in April, in strong land, well manured, and thinning them out to 3 to 4 inches apart in drills. They delight in a strong, rich, deep, loamy soil, and succeed well if grown successive years on the same ground. By sowing onion seed in frames in February and March and transplanting in April onions of immense size can be obtained. For this purpose Prize-Taker succeeds best.

C63. Mammoth Prize-Taker. This onion is seen on fruit stands in the fall and is the largest and handsomest onion in cultivation, and can be grown full size from seed. It keeps well, has white flesh, and mild, delicate flavor. Pkt. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

C45. Large Red Wethersfield. Produces beautiful thick flat-shaped, rich, purplish-crimson colored solid bulbs. It always commands a good price in the market. It is a good keeper and of excellent quality. Pkts. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.

C64. Southport White Globe. Of all our American varieties of market onions, this generally commands the highest price. Of true globe form, the onions are 2 to 2 $\frac{1}{2}$ inches in diameter, with a thin, delicate skin of purest paper whiteness. The flesh is crisp, fine grained, snowy white in color and very mild flavor. The bulbs should be stored in a cool, dark loft or shed to dry as soon as they are ripe enough to harvest. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$2.25.

A85. White Portugal. Fine color; mild flavor; pure white. Fine for onion sets and pickles; will grow to large size if sown thinly and kept worked. Pkt. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$2.25.



Onion Sets.



Improved Long Green Okra.

One oz. will sow
30 feet of drill.

GREEN OKRA

Ten pounds
to the acre.

CULTURE. This vegetable is extensively grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm in drills 3 feet apart, 1 inch deep; thin to 10 inches apart in drills.

C58. Dwarf Green Prolific. The pods impart a fine flavor and consistency to soups and stews, besides being very palatable when stewed and served like a dish of Asparagus. The pods can be easily dried for winter. So delicious is the flavor that when once used it will be grown every year in Northern as in Southern gardens. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.

154. Improved Long Green. A very desirable sort for market gardeners; of medium height; very productive, bears long pods, which remain tender a long time and are free from hard ridges. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.

White Velvet. A popular new variety with white pods. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.

MUSHROOM SPAWN

American Spawn. In bricks. Per brick, 25 cts.; 10 bricks, \$2.25; per 100 bricks, \$20.00.

If requested, with each one dollar order for Mushroom bricks, we will send a book on Culture. Books alone, 10c.

Mushrooms may be grown in cellars, under benches or greenhouses or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. The beds should be made from November to February, according to the time the Mushroom rooms are wanted, and it requires about two months for them to begin bearing. Secure fresh horse manure, free from straw and litter, and mix an equal bulk of loam from an old pasture with it. Keep this under cover, taking care to turn it every day to prevent heating, until the pile is large enough to make a bed the required size. Three or 4 feet wide, 8 inches deep and any length desired are the proper proportions for a bed, but these may be varied. Prepare the mixture of loam and manure, making the bed in layers, and pounding down each with the back of the spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90 degrees make holes in the bed about a foot apart each way, into which put pieces of the spawn 2 or 3 inches in diameter; fill up the holes with the compost, and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the heap to the depth of 2 inches and cover with 3 or 4 inches of hay, straw or litter. Examine the bed often to see that it does not get dry. Take special care, however, when water is given that it be at a temperature of about 100 degrees.

MUSTARD

One ounce of seed will sow 50 feet of drill.

Mustard is one of the best greens, and a supply may easily be obtained throughout the entire season if succession sowings are made. Try Mustard cooked like Spinach. It is very easily grown and will thrive in any part of the garden. For late spring use sow in February, March or April; for fall use sow in August and September. Sow the seed in rows 8 to 10 inches apart. One ounce will sow about 100 feet of drill; about 5 lbs. is required for an acre if sown broadcast.

C6. Southern Giant Curled. A curly leaf variety; produces large leaves; makes a very fine salad; flavor is all that can be desired. Plant in fall for early spring salad. A popular variety. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

C9. Chinese. Differs from the preceding in that the large, broad leaves are smooth and flat. The plants produce a large quantity of leaves which are delicious when cooked and served like Spinach. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

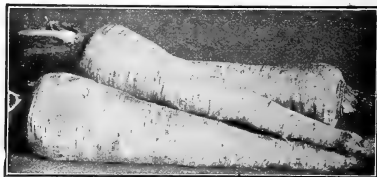
One ounce will sow 200 feet of drill.

PARSNIP

Five to six pounds for an acre.

CULTURE. Sow as early in the spring as the weather will permit in drills 15 inches apart and $\frac{1}{2}$ inch deep, in a rich, deep soil; thin out to 6 inches apart in rows. The quality of the roots is improved by leaving them in the ground over winter for spring use. Secure enough in pits or cellars for immediate needs. Valuable for feeding as well as for table use.

83. Hollow Crown Sugar Parsnip, or Hollow Hub. Is the best and handsomest parsnip. It is half long, wedge-shaped, hollow crowned, and very broad at the shoulders, easily taken out of the ground, and producing more tons to the acre than the longer and thin varieties. Pkt. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{2}$ lb. 40 cts.; lb. 75 cts.



Hollow Crown Parsnip.

One oz. will sow
100 feet of drill.

PARSLEY

Six pounds
to the acre.

CULTURE. Succeeds best in a mellow, rich soil. Sow thickly in April in rows 1 foot apart and $\frac{1}{4}$ inch deep; thin out the plants to stand 6 inches apart in the rows. The seed is slow of germination, taking from 3 to 4 weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker soak the seed a few hours in warm water or sprout in damp earth and sow when it swells or bursts. For winter use protect in a frame or light cellar, or lift some of the plants and reset in six-inch flower pots or small boxes and place in the kitchen window.

106. Market Gardener's Best Triple-Curled. The plant is of a very robust and free growth, and it is improved by severe cutting. The leaves are very large and beautifully curled, and of a very dark green. It will stand the heat, drought and cold better than many other varieties. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 90 cts.

C33. Emerald, or Dwarf Extra Curled. Leaves tender, beautifully curled; handsome, bright green color; very pretty; makes long stems. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

A106. Green Mountain. Hardy, immensely productive, deep velvet green. The leaves are densely curled and borne in abundance. It is exceedingly easy to grow, and with very little care any one can have the finest parsley in cultivation. If you have but a few square feet of garden, you can raise enough parsley to supply your table. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

218. Plain, or Single. Leaves flat, deeply cut, but not curled, and very dark green. Plant very hardy. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 65 cts.

Hamburg Short Thick, or Parsnip Rooted. Grown for the root, which resembles a parsnip in shape and color, although smaller. Foliage nearly same as plain parsley. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.



PEPPER

One ounce will produce
about 1500 plants.

CULTURE. Peppers are indispensable as a seasoning for soups and meats. The large varieties are mainly used for this purpose and pickling. The mild sweet varieties, like Sweet Bull Nose and Ruby King, are used for Mangoes, while the small-fruited sorts are best for sauces. Sow in hotbeds in March or April or sheltered border in May; when the season is favorable transplant in rows 2 feet apart and 18 inches in the row, in good, rich, mellow ground.



Royal King.

35. Royal King. An improved Ruby King, four lobed, bright color, mild and sweet. This variety, to our minds, far surpasses any recent types on the market. Pkts. 5 and 10 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.35; lb. \$5.00.

14. Chinese Giant. This monstrous fruiting variety averages 12 to 15 inches in circumference and, notwithstanding its immense size, it is very early and prolific. The stocky, well-branched plants, about 2 feet high, carry so many peppers that in places they seem bunched together. The flesh is thick,

tender, mild, sweet and unexcelled when sliced or for stuffing for "mangoes." When ripe the surface is of a brilliant, varnished scarlet. Pkts. 5 and 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.75; lb. \$6.50.

183. Pimento. Undoubtedly the thickest fleshed of all Peppers. The Peppers are of just the right size, measuring about $3\frac{1}{2}$ inches long by $2\frac{1}{4}$ inches across the stem, being decidedly conical in shape, and are of a rich bright scarlet color. The meat or flesh is tender and sweet. Pkts. 5 and 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.15; lb. \$4.00.

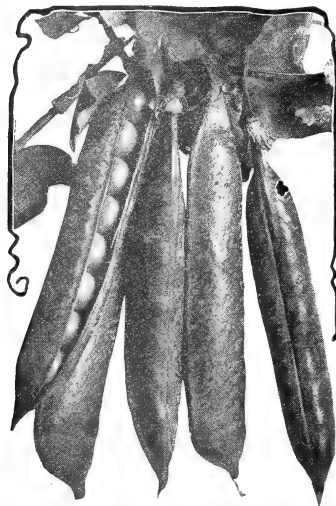
4. Long Red Cayenne. A long red variety, very hot, and is generally used for seasoning soups. Pkts. 5 and 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.15; lb. \$4.00.

17. Red Chili. They are pointed like the Cayenne, but not so long nor so thick, and are exceedingly pungent when ripe. Requires a long, warm season. The plants should be started early in a hotbed. Pkts. 5 and 10 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.35; lb. \$5.00.

12. Sweet Mountain. Fruit sweet and very large, often 6 inches or more in length by 2 inches in diameter; very smooth. Pkts. 5 and 10 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.35; lb. \$5.00.

34. Ruby King. An improved American variety, reaching the largest size, often 4 to 6 inches in length and $3\frac{1}{2}$ to 4 inches thick, yet retaining the symmetrical shape of the smaller size. It is very bright colored and the flesh is sweet and mild-flavored. Pkts. 5 and 10 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25; lb. \$4.50.

25. Bell, or Bull Nose. Produces a very large-sized pepper, which is highly esteemed for pickling. Flesh is sometimes quite hot in flavor. Pkts. 5 and 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.15; lb. \$4.00.



Early Springtime Peas.

and upright. Pkt. 10 cts.; pt. 30 cts.; qt. 50 cts.; peck \$3.50; bushel \$11.00.

Extra Early Gradus. The very best extra early wrinkled pea ever introduced. It produces pods equal in size to the well-known Telephone. Quality and productiveness equal to that well-known variety. The vines are of vigorous, robust growth, about 2½ feet high, thick stems and luxuriant foliage; it bears large, handsome pods, with immense luscious peas, remaining sweet and tender for a long time after they are fit to pick. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; gallon \$2.10; peck \$3.65; bushel \$13.50.

Extra Early Alaska. The earliest of all smooth green peas, having the best color when shelled and the best quality when cooked. The dark green color of the pods make it extremely desirable, as it can be carried long distances without losing its color, which quality, combined with its earliness and uniformity of ripening, make it one of the best early peas for market gardeners. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; peck \$2.50; bushel \$9.00.

Extra Early Thomas Laxton. An extra-early wrinkled marrow of excellent quality, and a valuable addition to the very early varieties. It is three feet high, and somewhat more vigorous in habit than Prosperity. The pods are medium to large, blunt-ended and filled to the tip with large Peas of true, rich "marrow" flavor. Its strong vine and heavy cropping character make it very suitable for an early crop in the private garden. It may be used to great advantage as an immediate successor to Gradus. If sown together, Thomas Laxton will be in full production just as the crop of Gradus is diminishing. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; gallon \$2.00; peck \$3.60; bushel \$13.00.

Premium Gem. This variety is nearly as early as the American Wonder, and the vine is decidedly larger, growing from 12 to 16 inches, and bearing an immense crop of peas, which are larger and invariably filled with peas of best quality. Pkt. 10 cts.; pt. 30 cts.; qt. 50 cts.; peck \$3.50; bushel \$12.00.

Bolgiano's Extra Early Triumph. The earliest of all; uniform and productive. The success of our Extra Early Triumph Peas has been surprising. Large truckers have found it most satisfactory. Pkt. 10 cts.; pt. 25 cts.; qt. 40 cts.; peck \$2.75; bushel \$10.00.

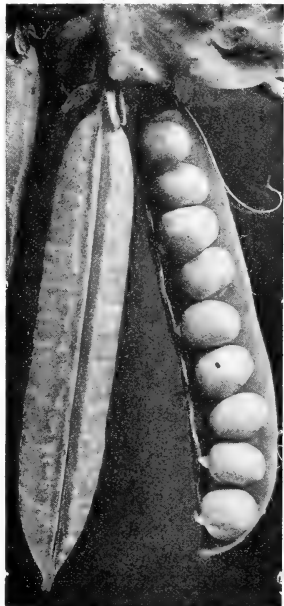
One and one-half bushels to **PEAS** One quart will plant 100 feet the acre. of drill.

CULTURE. Peas mature earliest in a light, rich soil. For general crop use a rich, deep loam or inclining to clay is best. When grown in garden sow in double rows 6 to 8 inches apart; the rows 2 to 4 feet apart. Commence sowing the extra early varieties as early as the ground can be worked in February or March; transplant for a succession every two weeks until June, then discontinue until the middle of August, when a good crop may be secured by sowing the extra early and early sorts for fall use. They should be kept clean and earthed up twice during the growth. The wrinkled varieties are not as hardy as the small, round sort, and if planted early should have a dry soil, or they are liable to rot in the ground. They are, however, the sweetest and best flavored varieties. The dwarf varieties are best suited for small gardens. For Mailing see Parcel Post Rates opposite page 1. One quart weighs about 2 pounds.

Early Springtime Peas. Introduced by us four years ago. It is long podded with large peas, fine quality, abundant cropper. Full description on page 4 of this catalogue. Pkt. 10 cts.; pt. 30 cts.; qt. 50 cts.; peck \$3.50; bushel \$12.00.

Extremely Early Long-Podded Alaska. A n entirely new, vigorous, handsome, long-podded, delicious flavored Alaska Pea. Bound to become extremely popular, for it has all the good qualities of our Famous Extra Early Alaska Pea, and in addition it has a well-filled long pod, which will fill the basket quickly, and while it is not a distinctly sugar pea, yet it has a much sweeter flavor than the Alaska. It is abundant yielder. Pkt. 10 cts.; pt. 30 cts.; qt. 50 cts.; 4 qts. \$1.35; peck \$3.00; bushel \$11.00.

Wonderful Extra Early. This pea has proven itself to be a decided acquisition to the list of peas. It is as early as the Alaska; bears long, well-filled pods. While not a wrinkled pea, it takes somewhat of the character of them. It can be planted as early as the Alaska—vines grow stiff



LONG PODDED ALASKA PEAS.

GARDEN PEAS—Continued



Laxtonian Peas.

Laxtonian. This handsome new wrinkled Pea is the largest podded of the dwarf varieties on our list. The beautiful dark green pods are similar to Gradus in shape and splendid quality; are very nearly as large in size and mature a little earlier. The vines are vigorous, productive, averaging 15 to 18 inches high, foliage dark green; pods about 4 inches in length. Seed light green, large, wrinkled, flattened, irregular in shape. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; peck, \$3.75; bushel, \$13.50.

Improved Stratagem. The pods are of immense size and uniformly filled with very large, dark green peas of the finest quality. All the good qualities of the old Stratagem are highly developed, and it is superior to the stock now generally sold as Stratagem. Vine medium height, but very stocky, with very broad, light green leaves and bearing an abundance of large, handsome pods. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; peck \$3.55; bushel \$12.50.

American Wonder. This variety stands unrivaled in point of productiveness, flavor and quality, and is without exception the earliest wrinkled pea in cultivation. It is of dwarf and robust habit, growing from 10 to 15 inches high, and produces a profusion of good-sized and well-filled pods of finest flavor. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; peck \$3.60; bushel \$13.00.

Telephone. A wrinkled variety of very robust habit and a great bearer. A single vine produces from 8 to 10 unusually long, well-filled pods of largest size, containing 10 to 11 peas. It is very productive, of fine flavor and an excellent table variety; height, about four feet. Pkt. 10 cts.; pt. 30 cts.; qt. 50

cts.; gal.	\$1.85; peck	\$3.50; bushel, \$12.00.	Pt.	Qt.	Peck.	Bus.
Ameer. Fine podded Extra Early; prolific.....	\$0.25	\$0.45	\$3.00	\$11.00		
Pedigree Extra Early. Select of First and Best .....	.25	.45	2.75	10.00		
Early Morning Star. Very early; fine crop....	.25	.45	2.75	10.00		
Nott's Excelsior. Early Wrinkled Pea; prolific	.30	.50	3.50	12.00		
Horsford's Market-Garden. Very prolific .....	.30	.45	3.00	11.00		
Champion of England. A well-known standard .....	.25	.45	2.85	10.50		
Alderman. Tall, vigorously productive.....	.30	.50	3.50	12.00		
Duke of Albany. One of the largest podded peas; very productive .....	.30	.50	3.50	12.00		
Juno (Dwarf Champion). Late; large pods; prolific .....	.30	.50	3.50	12.00		

Each of the above, 10 cts. per pkt.

PEAS, EDIBLE-PODDED or SUGAR

Melting Sugar. Grows to height of 5 feet; bears a profusion of large, broad pods, which are so brittle they snap without any string. Should be used in much the same way as a wax bean. Pods when cooked are very sweet and tender. Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; gallon \$2.00; peck \$3.60.



Telephone Peas.



Melting Sugar Edible Pod.

Money for postage must be included with all mail orders for peas unless shipped by express.

MAINE SEED POTATOES

The HOULTON (MAINE) SEED POTATOES are universally acknowledged to be the best; grown in the cold North, where Nature conspires against all but the strongest, we get our best seed. For earliness and productiveness we are convinced that Maine-grown seed are the best, and, in the long run, cheapest. Why not take the same care in selecting your seed potatoes as you would your cabbage? Our stocks have been grown for seed purposes, and are carefully selected for yield and purity. Get our prices before you buy. We advise our trade to place their orders early this season, as we feel confident that the prices will advance very much as the planting season advances. Several have told us that seed gotten from our house yields from 20% to 25% more than seed saved by themselves.

If shipments are requested during severe cold weather, the tubers travel solely at purchaser's risk.

Irish Cobbler. It is one of the most reliable and is fast becoming the most popular of the early varieties. Of handsome cream white color and of excellent quality, making it most desirable for the best trade. It is a vigorous grower, ripens uniformly, and is a good keeper.

Houlton Early Rose. This is a popular potato; very early; fine quality, and very productive.

XX Early, or Early Ohio. This is a potato that comes to us very highly recommended—one of the finest; practically free from blight; rose color; productive.

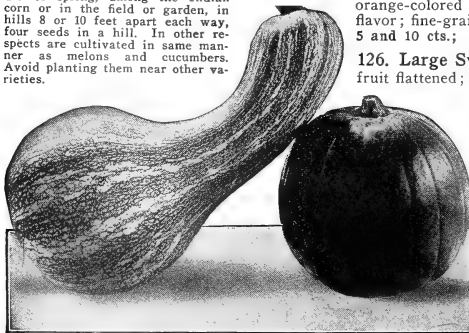
Green Mountain, or State of Maine. The best main crop potato now on the market; fine yielder; fine flavor; fine appearance. Free from blight and rot. Keeps well, and is always ready for the table.

McCormick. Should be planted in July and early August. It is one of the heaviest yielders.

Prices on all Potatoes at market rates. Write for prices.

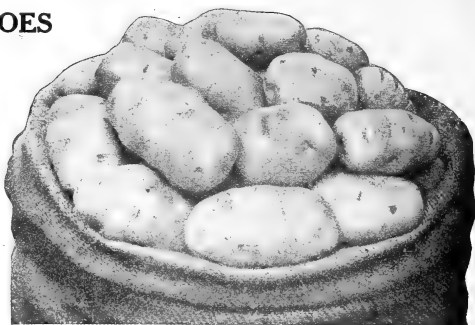
Hills eight feet apart.

CULTURE. May be planted middle of spring, among the Indian corn or in the field or garden, in hills 8 or 10 feet apart each way, four seeds in a hill. In other respects are cultivated in same manner as melons and cucumbers. Avoid planting them near other varieties.



Green Striped Cushaw and Small Sugar Pumpkin.

C20. Green Striped Cushaw. Fruits very large, with crooked neck. Color creamy white, irregularly striped or traced with green. Flesh light yellow, very thick, rather coarse but sweet. This sort is very productive and popular in some sections. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.25.



Green Mountain Potatoes.

SWEET POTATO ROOTS

CULTURE. Don't wait for a rain or a "season" to set out sweet potato plants. Harrow your ground well before laying it off, then throw up the ridges higher than you want them, and if the soil is very dry allow 2 to 3 days for the moisture to rise; then knock off the top of the ridge just ahead of planting; make a mud, batter with water and clay loam, or, better, with the addition of fresh cow dung, about as thick as cream; dip the plants, in hands of about 20, into this, so that a large quantity of the mud clings to them.

Big Stem Sweet Potatoes. They are of fine size, and the yield has astonished our most critical trade. They make only a very few, and in some cases no small roots. The quality is first-class.

Jersey Sweet Potatoes. Are too well known to require any description. We get these from reliable growers in New Jersey.

Sweet Potato Plants. Rooted slips ready in May. The young plants should be set in May and June.

PUMPKIN

Two pounds to the Acre.

C59. Small Sugar. A very handsome little pumpkin with deep orange-colored skin and flesh of unusually fine, sugary flavor; fine-grained, very productive, and keeps well. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.25.

126. Large Sweet Cheese. A most popular variety; fruit flattened; skin mottled light green and yellow, changing to rich cream color as it matures. Flesh yellow, thick and tender. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.

75. Yellow Winter Crookneck. Fruits are about 2 feet long, with solid, meaty, curvy neck. Seed located in bulb-like end; color solid yellow. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.25.

C36. Sweet Potato. The finest variety for table use. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.

158. Connecticut Field, or Large Yellow. The common field variety. Excellent for feeding. Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.

Six ounces of seed will plant 100-yard row.

RADISH

Eight to twelve lbs. to the acre.

Radishes are one of the most popular spring and summer vegetables, and it is easy by successive sowings to have a generous supply throughout the entire season.

We have divided the varieties into four classes, and call attention especially to the long-rooted sorts which remain in condition a long time before becoming pithy.

Suggest that you try the White Chinese Winter, sowing the seed the same time as recommended for turnips.

CULTURE. Radishes thrive best in a light, rich, mellow soil, and to bring out their mild qualities they must make quick and tender growth. Sow for very early use in hotbeds during the winter and early spring, or later on in sheltered borders, in well-manured, deeply-dug and finely-raked soil. If not well stimulated into a rapid growth they become fibrous and tough. Sow in drills 10 inches apart and thin to 2 inches in the rows. Sow at intervals of 2 or 3 weeks until September for a succession. Sow winter varieties in July and August. Like the turnips, they make the best growth in autumn, and must be taken out before severe frost and stored away in a cool cellar in sand or in a pit where they will keep tender and crisp all winter. Before using put in cold water, which adds to their freshness.

188. Model White Box. An early variety, very popular with market gardeners. Radishes grow 1 and $\frac{1}{4}$ inches in diameter, with pure paper-white skin; crisp, mild flesh. Largely planted in the field for the earliest market crop. **Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts.**

37. Vick's Scarlet Globe. A forcing radish. Small foliage; quick in growth; fine color and remains solid under all conditions. **Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00**

79. Bolgiano's No. 2 Scarlet Globe Radish.

Is the very best in every way. It is handsome in form and color, beautiful oval and rich scarlet. The amount of its foliage is small, compared with other varieties, and small for the size of the radish. The peculiar merit of this variety as a forcing radish is that it will bear the heat requisite for forcing without becoming pithy or spongy. The flesh is tender, juicy and mild. It is equally as good for open garden as for forcing, and therefore it commends itself equally to the amateur and market gardener. **Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.**

91. Scarlet Turnip White-Tip Radish. Nature almost exhausted itself in making this beautiful radish to ornament the private table and embellish the market stall. It has been brought to our mar-



Scarlet Globe Radish.

ket in two weeks after planting, and always is a very early crop for frames and for open ground culture. Some gardeners use it in 100-pound lots. It is annually grown more and more, and in demand everywhere. **Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts.**

193. Crimson Giant. This new radish is an entirely new type and differs radically from all the varieties hitherto in cultivation, in so far as its roots attain more than double the size of those of other turnip varieties, without getting pithy or hollow. This giant radish develops roots of 6 to 7 inches in circumference and over an ounce in weight, their pure white flesh remaining firm and crisp and of the mildest flavor, but notwithstanding the extraordinary size and weight of the roots. The seed should be sown very thinly to permit full development of the roots. **Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00, postpaid.**

10. Scarlet Olive-Shaped. This radish, olive shaped, has a distinct, bright-scarlet color. The whole crop maturing at one time makes it very desirable. It is among the best shippers. **Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.**

C47. French Breakfast. Elongated olive-shaped roots; color bright carmine with base of root and top root clear white. **Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.00.**

EARLY LONG VARIETIES

59. Cincinnati Market. This fine strain of the Long Scarlet Short-Top Radish has been selected for thirty years. The tops are so small that the radishes may stand touching each other in the rows. They grow perfectly straight and smooth and from 6 to 7 inches in length; and the flesh crisp and brittle and of delightfully pungent flavor. Equally as good for the open ground. **Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts.**



Scarlet Turnip White Tip Radish

RADISH, EARLY LONG VARIETIES



White Icicle Radish.

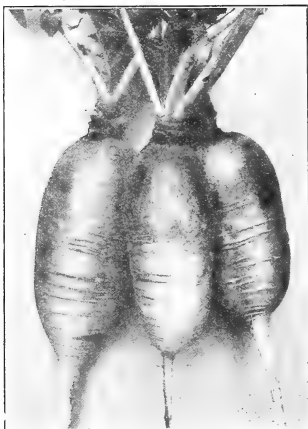
137. White Icicle. (See illustration.) A long radish transparent white, small top, allowing close planting, and are very crisp and brittle. The Radishes remain in good condition for a long time while growing, allowing continuous use from one planting. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.00.**

74. The Glass. Quick growth, small top, bright color. The best forcing radish. This brilliant, uniform radish is not so large as the Long Scarlet Radish, but is similar in form and holds its size without losing its nice proportion. Market gardeners find it satisfies the market demands, and sells better than many other long radishes. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.00.**

123. Select Early Long Scarlet. This improved strain of Long Scarlet Radish is regarded by our most extensive gardeners to be the finest stock

grown; for earliness, brilliancy of color and shortness of top, it cannot be surpassed, and it is the most profitable one to grow for an early crop. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

95. Long Bright Scarlet, or Cardinal. Extra early, roots being fit for use about 25 days after sowing; very bright color; quite unique; being the most fiery scarlet in any kind of radish. It is very slightly tipped with white, the flesh is crisp and tender. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**



China Rose.

RADISH, SUMMER VARIETIES

These summer radishes attain a larger size and remain in good condition for a longer length of time than do any of the earlier round and long varieties.



118. White Strsburg. Of handsome oblong shape, tapering beautifully to a point. Both skin and flesh are pure white, almost transparent, very tender and of a delightful, pungent taste. It can be pulled five weeks from time of sowing the seed, yet it will continue to grow without losing its fine quality and remains in a tender condition longer than any other summer sort. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.**

104. White Vienna, or Lady Finger. A fine long white variety. The flavor is mild and sweet. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.**

113. Chartier. Long, red radish with a white tip. Beautiful for bunching. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

114. Golden Globe Summer. Of globular form and yellow color. A splendid addition to the radish family. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.**

RADISH, WINTER VARIETIES

The seed should not be sown until about July 1st, and if the rows are kept well cultivated the roots continue to make growth until early in the fall.

78. White Chinese, or California Mammoth. Is as solid and juicy as an apple, pure white flesh and delicious flavor—a very choice variety. Should be sown in June and July, and is ready for use when 3 inches long, and continues to grow until it is 6 inches long. A first-class winter radish and always attracts favorable comment at the table or on the market stall. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.25.**

196. Round Black Spanish. Roots round, sometimes top-shaped. Good keeper. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.**

C29. Long Black Spanish. One of the latest and hardiest radishes. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.**

157. China Rose, or Scarlet China. One of the most popular fall and winter sorts. Roots about 6 inches long. Skin smooth and of a bright rose color. Flesh very firm and crisp. **Pkts. 5 and 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. \$1.00.**

RHUBARB One ounce seed produces 500 Plants.

C42. Very familiarly known as the Pie Plant. The foot stalk is the portion that is used and is the first vegetable of the season from the garden; cultivated to a great extent and is indispensable wherever it is known. Sow the seed early in the spring in rows 1 foot apart on rich ground; the second year after planting they can be removed in autumn to the permanent spot allotted to them; plant the roots 2 feet apart each way in ground that is well enriched, at least 2 feet deep. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50. Roots, \$1.00 per dozen—add 25 cts. per dozen if sent by mail; \$7.00 per 100.

SALSIFY, or OYSTER PLANT

One ounce for 50 feet of drill; 10 lbs. to an acre.

CULTURE. A fine vegetable, used the same as carrots or, having been boiled, made into cakes and fried like oysters, which they resemble in flavor. Cultivate the same as carrots and parsnips. It is hardy, can remain in the ground all winter for early spring use, but should be taken up before it starts growing; take up a supply for use during the winter. Succeeds best in a light, well-enriched, mellow soil. Sow early in the spring in drills 15 inches apart, 1 inch deep; thin to 6 inches in the rows.

116. Sandwich Island Mammoth. One of the most delicious of winter vegetables, and also one of the most nutritious; the flavor is sweet and highly esteemed. This variety, where known, is entirely superseding the old type, as it produces roots nearly double the size and weight, and of equally good quality. Pkts. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00.



Salsify or Vegetable Oyster.



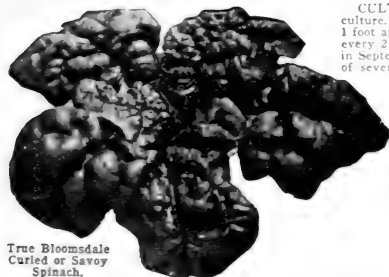
Rhubarb.

15 to 20 lbs. in drills an acre.

SPINACH Two ounces for 100 feet of drill.

CULTURE. This is an important market gardener's crop, of easy culture. For spring and summer use sow either broadcast or in drills 1 foot apart and 1 inch deep as early as the ground can be worked, and every 2 weeks for a succession. For winter and early spring use sow in September in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich; the stronger the ground the more delicate and succulent will be the leaves.

Curled Long Season. A spinach that is curled like the old standard sort, the Bloomsdale Savoy Spinach, yet much more vigorous in growth, large and very handsome. It stands the hot summer heat, and yet has tender leaves. It is positively the best spinach to be grown in the spring and summer. Pkts. 5 and 10 cts.; $\frac{1}{4}$ lb. 15 cts.; lb. 40 cts.



True Bloomsdale Curled or Savoy Spinach.

True Bloomsdale Curled Savoy (Norfolk Savoy).

Its growth is rapid and leaf is properly curled, which gives it a very attractive appearance. It is the favorite with the largest growers. Pkts. 5 and 10 cts.; $\frac{1}{4}$ lb. 15 cts.; lb. 30 cts.

Spring Spinach. The most valuable for spring sowing. Its long-standing quality makes it the best for that purpose. The foliage is very attractive, heavy dark green, curled leaves, of the true Savoy appearance. It will stand from 2 to 3 weeks after other varieties of spinach have shot to seed. It can be planted all spring and summer with surety of making a crop. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 45 cts.

Improved Curled Long-Standing. The foliage is heavy, the broad, dark green leaves are of the finest quality. It is in prime condition from two weeks to three weeks after other varieties of spinach have run to seed. Pkts. 5 and 10 cts.; $\frac{1}{4}$ lb. 15 cts.; lb. 40 cts.

C51. **New Zealand (Tetragonia expansa).** This is very different in character of growth, and when started early in the spring the plants will resist hot weather and produce right up until hard freezing weather sets in an abundance of thick, fleshy succulent leaves. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85c.



New Zealand Spinach.

To the acre, 2 to 3 lbs., Large Seeded kind; Bush kinds, 3 to 4 pounds.

SQUASH

1 oz. Bush Varieties for 40 hills.
Large Seed Varieties, 1 oz. 15 hills.

CULTURE. Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, and the running kinds from 6 to 9 feet apart.

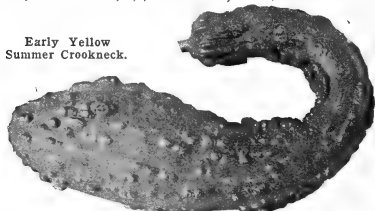
There are two kinds of Squashes—one for summer use for cooking in the tender green state, and the other for storing for winter use.

Owing to the high cost of meat, one should arrange for a bountiful supply of both the Summer and Winter varieties, as the former may be fried and served like egg-plant and the latter are very palatable when stewed and served alone or made up into pies.

82. Farr's Benning White Bush. It is with great satisfaction that we can continue to offer this unrivaled Squash. For the past twenty-five years this stock has furnished the earliest squash to come on our market. In productiveness also it excels other varieties, being an exceptionally heavy cropper. The color is a beautiful green tinted white possessed by no other variety. The flavor is delicious, having few small seeds and is an excellent cooker. The strain which we offer is that originated by Mr. N. E. Farr and has been grown under our own supervision so as to constantly maintain and improve the quality. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

208. Bolgiano's Extra Early Dawn. It is earlier than the majority of the other stocks of White Bush Squash, and commands the first Fancy Prices of the earliest market. It is very productive, and the clear white color is entirely free from any green cast. Fruits are solid and heavy, with small seed cavity, making excellent shipper. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.

Early Yellow
Summer Crookneck.

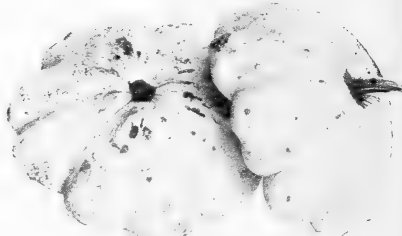


159. Early Yellow Summer Crookneck. A desirable table sort, very early and productive—fruits when matured small crooknecked and covered with warty excrescences. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

152. Hubbard. A superior variety and one of the best winter keepers; flesh bright orange-yellow, fine grained, very dry, sweet and rich flavored. Bakes very dry, equally as dry as the Sweet Potato. Our stock is the very best, and we don't hesitate to recommend it to the most critical planter. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

75. Winter Crookneck. Flesh red, fine flavor, largely grown for winter use. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

96. Boston Marrow. A splendid winter squash of good keeping qualities. Flesh bright orange, fine grain, and unsurpassed. It is oval-shaped, and thin skin of bright orange color. For pies it is equal to the best pumpkins. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.



Farr's Benning White Bush.

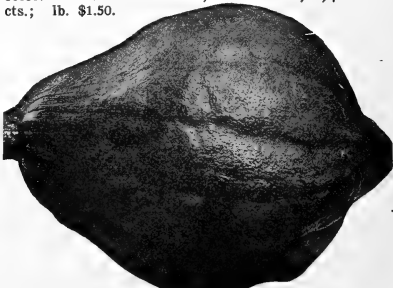
111. Early White Bush Scalloped, or Patty Pan. This is the earliest; grown almost exclusively for the first crop. The rind is hard texture, which makes it suitable for shipping, and it is exclusively grown in the South for that purpose. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

160. Italian Vegetable Marrow. Fine grained flesh of excellent flavor. Fruits large, oblong shaped, dark green at first, but as they mature become marbled with yellow and lighter green stripes. The young fruits may be fried in oil. Fine grained, tender and of excellent flavor. Pkts. 5 and 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.00, postpaid.

WINTER SQUASH

40. Early Prolific Orange Marrow. A comparatively new fall or winter variety. It is shaped somewhat like the Boston Marrow, but it is a decided improvement on it, being much earlier and more productive. These characteristics will commend this variety to market gardeners, while its brilliant orange-red color and fine keeping and cooking qualities make it popular with the customer. The rind is very hard, but thin, and the flesh deep, fine grained, and of delicate quality. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.00.

203. Fordhook. This may be grown for Summer or Winter use. It is of strong, vigorous growth and extremely productive. The fruits measure 8 to 10 inches long, have ridged smooth thin brownish-yellow skin; flesh is thick and of a light yellow color. Pkts. 5 and 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.



Boston Marrow Squash.

We prepay postage
on all Tomato Seed.

TOMATO

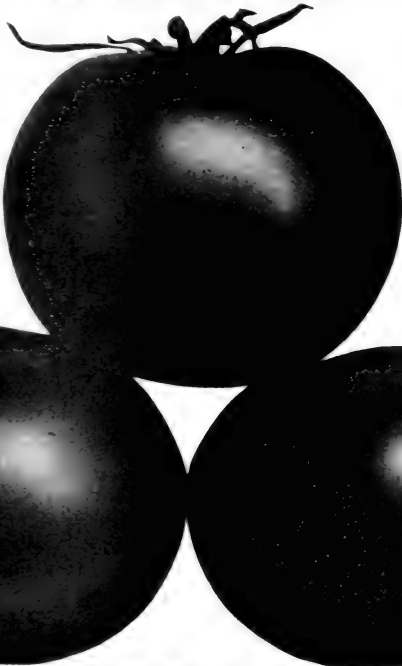
6 to 8 ozs. to an acre;
1 ounce to 1,500 plants.

Tomatoes represent another important member of the vegetable family. Every garden should have at least one dozen plants, and more if space will allow, as any surplus fruit may easily be canned. Do not overlook the small-fruited sorts—these make delicious tomato butter.

CULTURE. The seed may be started in hotbed in March, or sufficient plants for family use can be grown in pots or boxes indoors with very little trouble. Be particular to give plants the benefit of fresh air and sun whenever judicious, for the purpose of hardening them, and cover with mats when necessary to prevent them from frosting. The two extremes of heat and cold are equally injurious. It is customary with the best gardeners to remove the plants from hotbeds to the cold frames, allowing a distance of several inches between the plants. In May select and prepare the soil and set the plants 3 feet each way. Hoe and draw earth to the stems. When the plants crowd, the fruit will be small. Have the soil very rich. For general crop sow from the middle of April or during May, in the open air, selecting good soil in a location much exposed to the sun and sheltered by a hill or woods on the north.

168. Red Cross Rust Resistant Tomato.

Although we have described this splendid tomato in our Specialties, we feel that too much cannot be said for it and we wish again to call your attention to this new departure in plant breeding. Its chief advantage is that the vines are resistant to both rust and wilt to a remarkable degree. It has very strong, healthy vines. Thus it becomes a more prolific bearer than



Red Cross Rust Resistant Tomato.

other varieties, and the rich scarlet fruit continue to be borne throughout a longer season. Its beautifully shaped fruit and regularity of size particularly recommend it for the most particular market trade, while its thick, juicy meat and small sparsely seeded cavities will please the most particular appetite. As a variety for both home and commercial use, we feel it has no peer. It is medium in its season. Pkt. 10 cts.; oz. 70 cts.; $\frac{1}{4}$ lb. \$2.25; lb. \$8.00.

212. "John Baer." In introducing this tomato we believe we are offering to our trade the best, earliest, and finest tomato ever offered to the market gardeners—fruit large, solid, weighing about $6\frac{1}{2}$ ounces; great cropper and ripens over the entire tomato evenly—bright red in color and shaped somewhat like the Globe Tomato and about the same size. Pkts. 5 and 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.15; lb. \$4.00.

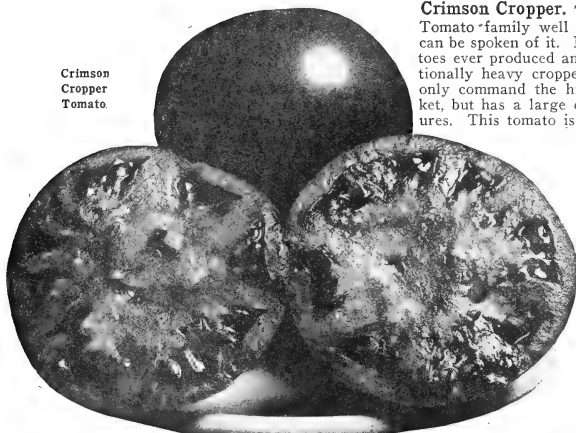
155. "Bonny Best" Early. For ten years it has been selected for earliness, solidity, smoothness and evenness of ripening up to stem. 15 days earlier than the Beauty Tomato, and nearly as early as the Earliana. Vigorous grower; bright red color, enormously productive, with a vigorous growth of foliage which protects the fruit from being scalded by the direct sun. Pkts. 5 and 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

138. Spark's Earliana. This is a most desirable early, large, smooth tomato. Perfect as to shape, color and quality. It is beautiful red and ripens thoroughly, even to the stem end. Almost seedless and very solid. The plants bear the fruit in large clusters and continue in bearing for a long time. Pkts. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$3.

90. Bolignano's Prize-Taker. Its beautiful, glossy purplish-pink color, combined with its large size, smoothness, solidity, weight and productiveness make it the most profitable tomato grown by the market gardener. It can be picked before it is ripe, and will ripen finely, making it one of the best shippers. Pkts. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

52. Livingston's Beauty. Fine, large, purplish pink. Pkts. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

TOMATO—Continued

Crimson
Cropper
Tomato

Crimson Cropper. This newest member in the Tomato family well deserves all the praise that can be spoken of it. It is one of the earliest tomatoes ever produced and added to this is an exceptionally heavy cropper. Thus the grower cannot only command the high prices of an early market, but has a large crop to sell at attractive figures. This tomato is deep red in color and has a solid mass of meaty flesh containing no watery seed cavities and no green cores. The tough skin, together with its long keeping qualities, help make it a splendid shipper. In the field it is not likely to be ever affected by sun scald, for the fruits are well protected by heavy foliage. This we believe to be one of the most promising varieties we have ever introduced. Pkt. 10 and 25 cts.; oz. \$1.50; $\frac{1}{4}$ lb. \$5.00; lb. \$15.00.

The Bolgiano. It is with pleasure that we are able to offer this splendid new variety to our trade this

year. The fruit of this variety are deep red in color, are very smooth and resist cracking under the most adverse conditions. It has been already grown by gardeners, truckers and home growers with remarkable success. It is a pleasure to cut open the smooth and solid flesh of fruit that are entirely coreless. Although one of our newest very early varieties, it will also take its place among the heavy producing types. Pkt. 10 and 25 cts.; oz. \$1.50; $\frac{1}{4}$ lb. \$5.00; lb. \$15.00.

217. Chalk's Early Jewel. One of the best early varieties with vigorous vines producing many deep scarlet, smooth fruits of large size and excellent quality. They ripen early and the pickings continue through a long season. One of the best second early sorts, and on account of its large size, splendid quality and productiveness, very satisfactory for the home garden. Pkt. 5 and 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

44. June Pink Tomato. The pleasing color, with its splendid large size and firmness, is all that can be expected. We get our seed each season from the originator, knowing as we do that he who introduced it will take best care to see that his seed is as nearly perfect as possible. Pkts. 5 and 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.15; lb. \$4.00.

New Splendid. A good second early Tomato. While not quite as early as the June Pink, yet it has good character and is productive. The fruit is large and continues to bear well for a long time. Pkts. 5 and 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.15; lb. \$3.50.

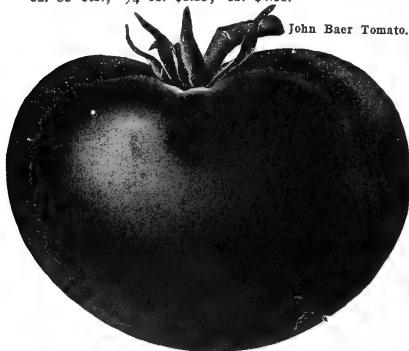
C17. Livingstone's Favorite. As the name implies, this variety has long been a favorite with canners and the home trade. Favorite is one of the best shaped, large, bright red tomatoes. The fruit ripens evenly, is always smooth and holds its size to the end of the season. Flesh is of good flavor and very solid. Pkts. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

28. Livingston's Globe. We can hardly speak too well for this Tomato; introduced in Ohio, it has gradually increased in demand until now it is one of the leaders. Large, purplish-pink, solid; comes immediately after the earliest sorts. Enormously productive. Pkts. 5 and 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.15; lb. \$4.00.

C24. Ponderosa. Largest Tomato that grows; a decidedly family favorite; less acid than others. Pkts. 5 and 10 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25; lb. \$4.50.

61. Stone. This variety is very large and of a bright scarlet color; very smooth, ripening evenly to the stem without a crack, exceedingly solid; is an excellent shipper; quality the very best; fine for canning; a good keeper; without hard core; not subject to rot; its vines and foliage rank and robust. Pkts. 5 and 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

John Baer Tomato.



TOMATO—Continued

47. Bolgiano's Grand. Few introductions of late years have taken as well as this **Grand New Tomato**. It has become a standard main crop Tomato. The large, smooth, pink fruit makes it the finest Tomato that has come to the Washington market the past three seasons. We are sure that wherever it has once been used it will be used again. **Pkts. 5 and 10 cts; oz. 25 cts.; ¼ lb. 85 cts.; lb. \$3.00.**

141. Bolgiano's Best, The Great B. B. It has every good quality pertaining to the Tomato, and avoids all faults of other sorts. One of the smoothest, most solid, heaviest and most handsome Tomatoes grown. The B. B. is as solid as an apple, has no core, and the flavor is excellent. It weighs more pounds per bushel than other sorts, which proves its solidity; it has a beautiful red color; the fruits are quite large. Used successfully for early and late crops. **Pkts. 5 and 10 cts.; oz. 35 cts.; ¼ lb. \$1.10; lb. \$3.00.**

136. New Century Tomato. The size, yield and productiveness of this Tomato is beyond question a mark that has few equals in Tomatoes. It will carry for two weeks without harming its red beauty or cracking. It maintains its wonderful size during the entire season. **Pkts. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.**

222. Red Rock. One of the standard varieties of average to late season. It is one of the best croppers, producing many fruit of even size. It is remarkably smooth and has a splendid texture. **Pkts. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.**

C22. Trucker's Favorite. A very large, purple Tomato, free from crack or rot. **Pkts. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.**

151. Acme. Very early; good size; purple in color; good bearer. **Pkts. 5 and 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.**

C2. Dwarf Champion. Dwarf habit, early, prolific, pink-purplish color. **Pkts. 5 and 10 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$4.00.**

8. Matchless. Flesh very solid, deep red color; uniform size. **Pkts. 5 and 10 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.50.**

C10. Golden Queen. Large, solid, bright yellow; favorite with home gardeners; delicious flavor. **Pkts. 5 and 10 cts.; oz. 35 cts.; ¼ lb. \$1.15; lb. \$4.00.**



Greater Baltimore Tomato.

72. Bolgiano's "Greater Baltimore." This tomato is the greatest success in growing tomatoes in late years. It is better than the "Stone" ever was. It has double the yield of many of the best cropping tomatoes you have ever grown. Smooth, well formed and deep from stem to blossom. Very heavy, due to its extreme firmness and great meatiness. Ripens evenly to the very stem; free from ridges and cracks. Fruit is large and grows in clusters. Vine sturdy in growth. Brilliant red color; the handsomest fruit possible to get. It matures as a main crop tomato, and continues to bear through the season. **Pkts. 5 and 10 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.50.**

C3. Pear-Shaped Yellow. Bright yellow, used for 5 and 10 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.50.

C35. Plum-Shaped Yellow. Bright yellow, used for preserves. **Pkts. 5 and 10 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.50.**

207. Red Cherry. Little fruits; bright red. **Pkts. 5 and 10 cts.; oz. 40 cts.; ¼ lb. \$1.00.**

CHOICE SELECTED TOBACCO SEED

	Pkt.	Ounce.	¼Lb.	Lb.
6. CONNECTICUT SEED LEAF. Well-known standard variety.....	\$0.10	\$0.50	\$1.65	\$6.00
184. HAVANA. Grown from imported seed.....	.10	.50	1.75	6.50
IMPROVED WHITE BURLEY. A most popular variety.....	.10	.45	1.35	5.00
182. PENNSYLVANIA SEED LEAF. The variety which is so largely planted in Lancaster County, Pennsylvania.....	.05	.40	1.10	4.00

1 oz. for 200 feet drill.

TURNIPS

2 pounds for the acre.

CULTURE. They do best in highly enriched, light, sandy or gravelly soils. Commence sowing the earliest varieties in April in drills from 12 to 15 inches apart, and thin out early to 6 or 9 inches in rows. For a succession sow at intervals of a fortnight until the last week in July, from which until the end of August sowing may be made for the fall and main crop. Turnips may be preserved until spring by cutting off the tops about 1 inch from the bulb, storing in the cellar or cold shed during the winter, covering the roots with dry sand. They should be harvested before the severe frost sets in, for, though comparatively hardy, few will survive the winters of the Northern States in the open ground.

Early
Milan
Purple
Top.Early
White
Flat
Dutch.Purple
Top
Strap
Leaf.White
Egg.Golden
Ball.Purple
Top
White
Globe.

110. Purple Top White Globe. Our stock is the perfection of Turnips. It has small tops, but large, well-formed, handsome roots. **Pkts.** 5 cts.; **oz.** 10 cts.; $\frac{1}{4}$ lb. 20 cts.; **lb.** 60 cts.

C16. Golden Ball, or Orange Jelly. One of the sweetest flesh yellow Turnips yet introduced; not of large size, but firm, hard, and of excellent flavor; good keeper and superior table variety; of bright golden orange color. **Pkt.** 5 cts. **oz.** 10 cts.; $\frac{1}{4}$ lb. 20 cts.; **lb.** 60 cts.

84. Extra Early Milan Purple Top. Tops are very small, strap-leaf, and grow erect. Roots are small and flat; skin purple to pure white below. Flesh clear white. It's a beauty. **Pkts.** 5 and 10 cts.; **oz.** 15 cts.; $\frac{1}{4}$ lb. 45 cts.; **lb.** \$1.50.

C18. Extra Early White Milan. **Pkts.** 5 and 10 cts.; **oz.** 15 cts.; $\frac{1}{4}$ lb. 45 cts.; **lb.** \$1.50.

199. Early Red, or Purple Top Strap-Leaf. Well-known standard, popular, early sort. **Pkt.** 5 cts.; **oz.** 10 cts.; $\frac{1}{4}$ lb. 20 cts.; **lb.** 60 cts.

C41. Early White Flat Dutch. Very popular for spring sowing; fine for market. **Pkts.** 5 and 10 cts.; **oz.** 15 cts.; $\frac{1}{4}$ lb. 25 cts.; **lb.** 75 cts.

62. White Egg. Very handsome; pure white; excellent for early or late. **Pkts.** 5 and 10 cts.; **oz.** 15 cts.; $\frac{1}{4}$ lb. 25 cts.; **lb.** 75c.

C19. Long Cow Horn, or White French. Heavy cropper, best for stockmen. **Pkts.** 5 and 10 cts.; **oz.** 15 cts.; $\frac{1}{4}$ lb. 25 cts.; **lb.** 75 cts.

119. Yellow, or Amber Globe. Vigorous grower; fine keeper. A very desirable variety, attaining large size. The roots are rather oval-shaped, flesh orange-yellow. **Pkts.** 5 and 10 cts.; **oz.** 15 cts.; $\frac{1}{4}$ lb. 25 cts.; **lb.** 75 cts.

139. Yellow Aberdeen. Fine for table or cattle. **Pkts.** 5 and 10 cts.; **oz.** 15 cts.; $\frac{1}{4}$ lb. 25 cts.; **lb.** 75 cts.

C15. Seven Top. Very hardy; grown for leaves, which are used for salads. **Pkt.** 5 cts.; **oz.** 10 cts.; $\frac{1}{4}$ lb. 20 cts.; **lb.** 50 cts.

148. Improved Purple Top Yellow Ruta-Baga. Finely bred strain. **Pkts.** 5 and 10 cts.; **oz.** 15 cts.; $\frac{1}{4}$ lb. 25 cts.; **lb.** 75 cts.

Seeds of Pot, Sweet and Medicinal Herbs

All gardens should have some space devoted to the more important Pot Herbs. A few varieties are grown solely for the seed produced, which is used for flavoring cakes, bread, confectionary, etc. The young stems and leaves of the plants used for flavoring may be gathered in the green state, or in the fall the entire plant may be pulled up and carefully placed in a dry room, and thus assure a winter's supply.

	Packet.	Ounce.	$\frac{1}{4}$ lb.	Lb.
ANISE. Seeds used for flavoring.....	.....\$0.10	.....\$0.15	.....\$0.40	.....\$1.50
BASIL SWEET. Culinary herb used for flavoring soups, etc. ....	......05 & .10	......30	......85	.....3.00
CARAWAY. Cultivated for its seeds.....	......05 & .10	......15	......40	.....1.50
CATNIP. Leaves are used for seasoning....	......05 & .10	......30	......85	.....3.00
CORIANDER. Seeds are used for flavoring	......05 & .10	......15	......40	.....1.50
DILL. Mammoth. For sowing. Seeds used for flavoring vinegar .....	......05 & .10	......15	......40	.....1.50
FENNEL FLORENCE. Grown for the enlarged leaf stalks .....	......05 & .10	......25	......85	.....3.00
FENNEL SWEET. Leaves used in sauces	......05 & .10	......25	......85	.....3.00
LAVENDER. True. For oil and distilled water .....	......05 & .10	......50	.....1.35	.....5.00
MARJORAM. Sweet. Is used for seasoning	......05 & .10	......50	.....1.35	.....5.00
SAGE. Broad-leaf. A culinary herb; also used in medicine .....	......05 & .10	......25	......85	.....3.00
SUMMER SAVORY .....	......05 & .10	......25	......85	.....3.00
THYME. Broad-leaved English. Is used as a seasoning .....	......05 & .10	......50	.....1.35	.....5.00

BOLGIANO'S COLLECTION OF VEGETABLE SEEDS

These collections have been prepared with two ideas in mind. First. To provide planters of small gardens at a low cost what we consider the most desirable vegetables and flowers (for Flower Seed collection see page 51) for their purpose. Second. To acquaint thousands of planters with the quality of Bolgiano's seeds.

Six Vegetables for 25 Cts.

BEAN
Bolgiano's Giant
Stringless Green Pod

BEET
Bolgiano's Early Eclipse

LETTUCE
Bolgiano's New Wonder

PARSLEY
Bolgiano's Green
Mountain

CARROT
Selected Oxheart

RADISH
Bolgiano's Scarlet Globe

The above six packets sent by mail postpaid for 25 cts. The varieties are suitable for planting in the smallest back yard.

Fourteen Vegetables for 50 Cts.

BEANS
Fordhook Bush Lima
Pencil Pod Black Wax

BEET
Wonderful Early

CABBAGE
Bolgiano's New Early

CARROT
Chantenay
SWEET CORN
Golden Bantam
Howling Mob
LETTUCE
Early May King
Bolgiano's White Loaf

ONION
White Portugal
PARSLEY
Green Mountain
RADISH
Bolgiano's Scarlet Globe
Long White Icicle
SWISS CHARD
or Spinach Beet

For 50 Cts. we send by mail postpaid one packet each of the fourteen vegetables named above. We have included one most desirable new vegetable—Swiss Chard. This might be called an everlasting Spinach; while the mid-ribs of the leaf are palatable when cooked like Asparagus.

Bolgiano's Dollar Collection of Vegetable Seed

Here is a collection for one dollar which gives the planter a most complete assortment of vegetables, and with average results in the garden should repay many times the cost of the investment. For \$1.00 we send carefully packed one packet each of:

BEANS
Bolgiano's Giant Stringless Green Pod
Fordhook Bush Lima
Pencil Pod Black Wax

BEET
Wonderful Early
Crimson Globe

CABBAGE
Bolgiano's New Early

CARROT
Early Golden Ball
Danver's Half-Long

SWEET CORN
Golden Bantam
Country Gentleman

CUCUMBER
Davis Perfect

KALE
Imperial Curly Long
Standing

LETTUCE
Earliest Wayhead
New York

MUSK MELON
Rocky Ford
Water Melon
Kleckley Sweets

MUSTARD
Southern Giant Curled

ONION
White Silver Skin
Mammoth Prize Taker

PARSLEY
Green Mountain

PARSNIP
Hollow Crown

PEAS
Long Podded Alaska
American Wonder

RADISH
Crimson Giant Globe

SALSIFY
or Vegetable Oyster
Mammoth Sandwich
Island

SPINACH
Bloomsdale Curled Savoy

SQUASH
Early Yellow Summer
Crookneck

SWISS CHARD
or Spinach Beet

TOMATO
John Baer

TURNIP
Red Top White Globe

Thirty Packets for \$1.00

Please Note Carefully

very special prices.

In these times when living costs so much, this collection gives an opportunity for all to cut the cost. A Complete Vegetable Garden for One Dollar.

Positively no changes can be made in the different collections. By putting up large quantities at one time permits our offering the seeds at these

CLOVERS, COW PEAS and SOY BEANS Write for Special Prices in Quantities

At the time of going to press we had hoped to be in a position to print firm prices on Clover and Grass Seed, but this is not possible, owing to decided fluctuations in the market. Kindly ask for prices, and we suggest that you purchase early, as the indications are that prices will advance considerably before spring planting time is with us.

Alfalfa, or Lucerne (*Medicago sativa*). Requires deep, rich, well-drained soil. The tap-root descends often to a depth of 10 to 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It may also be sown as late as August and up to the middle of September in more southerly localities. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, 1 to 3 feet. Price on application.

Crimson, or Scarlet (*Trifolium incarnatum*). Erect annual, 1 to 2 feet high, with bright scarlet flowers. A native of Southern Europe; largely grown in our Southern States for improving the soil by turning under. It is a valuable crop for pasturage or green manure. For hay cut when in full bloom. Sow 15 pounds to the acre. Price on application.

Mammoth, or Sapling (*Trifolium pratense perenne*). Grows nearly twice the size of the Common Red Clover, often making a stand when the other Clovers fail. Sow about 8 to 12 pounds per acre. Price on application.

Medium Red, or June (*Trifolium pratense*). This is by far the most important of all the varieties for practical purposes. Sow in Spring or Fall, and if no other Grasses are used, at the rate of 8 to 12 pounds per acre; more is required on old, stiff soils than on new and lighter ones. Price on application.

White Clover (*Trifolium repens*). Some White Clover is usually included in Lawn Grass Mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, 1 or 2 pounds; if alone, 8 or 10 pounds to the acre. Pound, 75c.

Write for Prices

GRASS

Kentucky Blue Grass (*Poa pratensis*). Fancy clean. Sometimes called June Grass, but the true June or Wire Grass is much inferior. Kentucky Blue Grass is the most nutritious, hardy and valuable of all northern grasses. If sown by itself for meadow or pasturage, use about 28 pounds per acre. Write for prices.

Red Top (*Agrostis vulgaris*). In Pennsylvania and States farther south this is known as Herd's Grass, a name applied in New England and New York to Timothy. It is a good, permanent grass, standing our climate well, and makes a good hay stand when grazed close. Is valuable for low wet meadows, producing a large return in good hay. When sown alone, use about 12 pounds of the fancy seed per acre. Sow in spring or fall.

Orchard Grass (*Dactylis glomerata*). Desirable on account of its quick growth and valuable aftermath. It is ready for grazing in spring two weeks sooner than most grasses, and when fed gives a horse ready for grazing in a week, and will continue green when other grasses are withered by dry weather. It is palatable and nutritious and stock eat it greedily when green. A tendency to grow in tufts unfits it for lawns. It does better if sown with clover, and as it ripens at the same time the mixed hay is of the best quality. If sown alone, about 28 pounds are required per acre; if sown with clover, half that quantity. Perennial and will last for years.

Tall Fescue (*Festuca elatior*). A valuable perennial grass, very productive and nutritious. Succeeds best on moist, heavy soil, but will do well on any good soil, wet or dry. If used alone, sow 40 pounds per acre. Inquire for prices.

Sheep's Fescue (*Festuca ovina*). A small tufted, hardy grass, forming a cluse of narrow, cylindrical leaves. It is of value in mixture for lawns on dry soils and in shady locations. Sow about 35 pounds per acre. Inquire for prices.

Meadow Fescue, or English Blue Grass (*Festuca pratensis*). A perennial, from 2 to 4 feet high, with flat broad leaves. One of the standard European grasses. It needs rich ground and succeeds well on prairie soils. An excellent pasture grass to take the place of the wild grasses, as it yields a large amount of early and late feed. Sow about 25 pounds per acre.

Improved Evergreen Broom Corn. This variety is extensively grown on account of the color and qual-

Alsike, or Hybrid (*Trifolium hybridum*). A perennial, 1 to 3 feet high, succeeding best in cold, stiff soils, and in marshy lands which are too wet for other species. It grows well, too, in high altitudes. A good honey plant for bees. Eight pounds to the acre. Price on application.

Bokhara Clover (*Mellilotus alba*). Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil, may be cut three times; lasts for years if cut before flowering. Ten pounds to the acre. Price on application.

Whippoorwill Cow Peas. An early variety; grows upright, vigorous, and the crop is easy to harvest. We sell more of this variety than any other, and consider it the best for general purposes. Write for price.

Clay Cow Peas. A medium late variety, of running habit and strong growth. Write for price.

Mammoth Yellow Soja Bean. Valuable as a forage crop and for silo purposes. It matures late and is very popular for forage purposes, also productive. Most valuable for growing in the Southern States. Write for price.

Wilson Soja. An excellent variety for Middle and Eastern States. Grows 30 to 44 inches high, branches well, holds leaves and the seeds do not shatter from pods after cutting. In Delaware it matured in 115 days, and the plants held the seed well. Write for price.

Inoculation for Clovers, Cow Peas and Soy Beans

One acre size.....\$1.00

Five acre size..... 4.00

Postpaid

SEEDS Subject to Market Changes.

ity of its brush, which is long, fine and straight and always green; grows 7 feet high. Sow 10 pounds to the acre in good deep dry soil. Price on application.

Rhode Island Bent Grass (*Agrostis canina*). A valuable perennial for lawns and pasturage. Much like Red Top, though smaller. Thrives on light, dry soils as well as on rich, moist ones. For lawn purposes, if used alone, it should be sown at the rate of about 40 pounds per acre; for pasture, if used alone, 24 pounds per acre.

Hard Fescue (*Festuca duriuscula*). Similar to Sheep's Fescue, but not so dense and taller; this often will cover sandy soil under the shade of large trees where no other grass will grow; is a desirable addition to lawn grass. Sow 30 pounds per acre. Inquire for prices.

Timothy (*Phleum pratense*). The most valuable of all the grasses for hay, especially in the North. Thrives best on moist, loamy soils of medium tenacity. It should be cut just when the blossom falls. Sow early in the spring or fall, at the rate of 12 pounds per acre, if alone, but less if mixed with other grasses. Inquire for prices.

Wood Meadow Grass (*Poa nemoralis*). Grows from one and one-half to two feet high; has a perennial creeping root and an erect, slender, smooth stem. Well adapted to shaded situations, such as orchards and parks, for either hay or pasturage. Sow about 30 pounds per acre. Inquire for prices.

Awless Brome Grass (*Bromus inermis*). A perennial, valuable for binding the soil of embankments and for resisting both drought and cold. On light, dry soils it is used for hay and pasturage, but is not recommended where better grasses will succeed. Sow 40 pounds per acre.

Perennial Rye Grass (*Lolium perenne*). A very valuable variety for permanent pasture. Succeeds well on almost any soil, but is particularly adapted to moderately moist or irrigated lands. Sow 30 to 40 pounds per acre in spring. Inquire for prices.

ALL GRASS SEED PRICES SUBJECT TO
MARKET CHANGES WITHOUT
NOTICE

Five cents a paper

CHOICE FLOWER SEEDS

Tested and Reliable
Postage Paid



AMERICAN ASTERS

Annuals. Attain full growth, flower and die in one year.
Biennials. Grow from seed one year, bloom and die the next, though some varieties bloom the first season when sown early.
Perennials. Last for several years, blooming annually after the first season, though some varieties will bloom the first season if sown early.
A—Signifies Annual. B—Biennial. P—Perennial.

ASTERS (A) are one of the most popular annuals and do well everywhere. Seed may either be planted early indoors or later in the open border. We suggest that you include some of the named varieties in your order.

BOLGIANO'S FEATHERBLOOM OR IMPROVED GREGO GIANT ASTERS

N56. FEATHERBLOOM WHITE. White flowers with petals resembling those of a Chrysanthemum. Pkt. 5 cts.; ¼ oz. 35 cts.; oz. \$1.25.

N9. FEATHERBLOOM PINK. Beautiful shell pink. Pkt. 5 cts.; ¼ oz. 35 cts.; oz. \$1.25.

36. FEATHERBLOOM LAVENDER. A beautiful pure lavender, fine form and size. Pkt. 5 cts.; ¼ oz. 35 cts.; oz. \$1.25.

32. FEATHERBLOOM AZURE BLUE. A fine shade of lavender blue. Pkt. 5 cts.; ¼ oz. 35 cts.; oz. \$1.25.

N4. FEATHERBLOOM PURPLE. Very rich in color. Pkt. 5 cts.; ¼ oz. 35 cts.; oz. \$1.25.

FEATHERBLOOM MIXED. A mixture of many colors. Pkt. 5 cts.; ¼ oz. 30 cts.; oz. \$1.00.



Simple's Branching Asters.

SEMPLE'S BRANCHING ASTERS

N28. WHITE BRANCHING. Produces large, handsome double flowers on long stems. Pkt. 5 cts.; ¼ oz. 30 cts.; oz. \$1.00.

N53. PINK BRANCHING or MARY SEMPLE. Large double flowers of a beautiful shell-pink color. Pkt. 5 cts.; ¼ oz. 30 cts.; oz. \$1.00.

N6. CRIMSON BRANCHING. A bright showy crimson. Pkt. 5 cts.; ¼ oz. 30 cts.; oz. \$1.00.

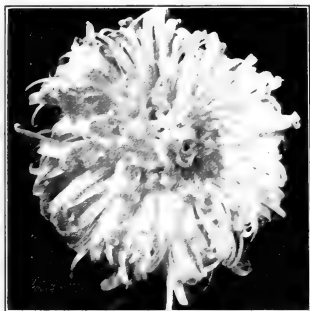
N25. LAVENDER BRANCHING. Light lavender, large, double flowers. Pkt. 5 cts.; ¼ oz. 30 cts.; oz. \$1.00.

15. AZURE BLUE BRANCHING. True lavender approaching azure blue. Pkt. 5 cts.; ¼ oz. 30 cts.; oz. \$1.00.

N13. PURPLE BRANCHING. Double purple flowers. Pkt. 5 cts.; ¼ oz. 30 cts.; oz. \$1.00.

99. BRANCHING MIXED. A mixture containing all colors; flowers produced on very long stems. Pkt. 5 cts.; ¼ oz. 25 cts.; oz. 75 cts.

N1. QUEEN OF THE MARKET ASTERS, MIXED. The earliest aster, producing a profusion of fine blooms. Pkt. 5 cts.; ¼ oz. 25 cts.; oz. 75 cts.



Featherbloom Asters.

28. **AGERATUM, MEXICAN MIXED.** A. Laven-der-blue and pure white brush-like flowers borne in great profusion. Attains height of about two feet. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 50 cts.

30. **ALYSSUM, LITTLE GEM.** A. Dwarf spread- ing plants about four inches high and covered with a mass of white bloom. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 40 cts.

19. **AMARANTHUS, TRICOLOR or JOSEPH'S COAT.** A. A brilliantly colored plant attaining a height of about thirty inches. Pkt. 5 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.

42. **ANTIRRHINUM, HALF DWARF MIXED.** A. Plants grow about two feet high and produce on long spikes flowers of large size and most attractive in coloring. Easily grown; fine for cutting. Pkt. 5 cts.; $\frac{1}{4}$ oz. 25c; oz. 75 cts.

N27. **BACHELOR'S BUTTON** (Centaurea Cyanus). A. These are also called "Blue Bottle." The flowers are of a distinct graceful beauty. All colors mixed. Pkt. 5 cts.; $\frac{1}{2}$ oz. 15 cts.; oz. 25 cts.

23. **BALLOON VINE.** See page 52.



Balsam, Double Camellia-Flowered.

27. **BALSAM, DOUBLE CAMELLIA-FLOW-ERED MIXED.** A. These are the old "Lady Slip- per," but vastly improved as to doubleness of the beautiful flowers. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 50 cts.

BALSAM APPLE. See page 52.

35. **CALENDULA DOUBLE MIXED.** A. Does well in cool locations. Should be planted either singly or in masses. Plants grow 12 inches high, branch freely and flowers throughout the season. A fine mixture of yellow and orange shades. Pkt. 5 cts.; oz. 15 cts.

N58. **CALLIOPSIS MIXED.** A. Most desirable for cutting. This mixture contains many varieties. Pkt. 5 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.

45. **CAMPANULA, SINGLE MIXED CANTER- BURY BELLS.** P. Of most attractive growth, and the second year produce abundantly the beautiful bell-flowers in many colors. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.

CANARY BIRD VINE. See page 52.

17. **CANDYTUFT.** A splendid mixture of all colors. Pkt. 5 cts.; $\frac{1}{2}$ oz. 15 cts.; oz. 25 cts.

N5. **CANDYTUFT, GIANT HYACINTH FLOW-ERED WHITE.** A. Large, elongated head with pure white florets. Desirable for cutting. Pkt. 5 cts.; $\frac{1}{2}$ oz. 20 cts.

N53. **CANNA MIXED.** P. A perennial plant if roots are lifted in the fall and carefully stored during the winter. Start the seed very early. Pkt. 5 cts.; oz. 25 cts.

13. **CARNATION, MARGUERITE MIXED.** P. Although a perennial, this should be treated as an annual, as from seed sown in the early spring the planter will have plants producing flowers toward the latter part of the summer. Pkt. 5 cts.; $\frac{1}{4}$ oz. 35 cts.; oz. \$1.25.

44. **CHRYSANTHEMUM, ANNUAL VARIETIES MIXED.** A. They are not to be confused with the large late flowering varieties grown by florists. Easily grown from seed, and the plants flower freely until killed by frost. Many colors mixed. Pkt. 5 cts.; oz. 25 cts.

N28. **CINERARIA, FINE MIXED.** P. It is exclusively a house plant and succeeds best if the seed is sown during the summer. Pkt. 10 cts.



Early Flowering Cosmos.

1. **COSMOS, EARLY FLOWERING MIXED.** The longer blooming period given by their starting to bloom four to six weeks earlier is making this class of cosmos very popular. Height four to six feet. Pkt. 5 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.00.

103. **COSMOS, FINEST MIXED.** A. If seed is sown during the spring it will produce tall grow- ing plants, which will flower freely from September to November. Pkt. 5 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.

10. **COSMOS, DOUBLE MIXED.** One of the finest introductions of late years. A true cosmos with a beautiful double crested center. Pkt. 10 cts.; $\frac{1}{4}$ oz. 65 cts.

N8. **CLARKIA MIXED.** A. Contains the choicest varieties of this easily grown annual. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 50 cts.

CLEMATIS. See page 52.

38. **COCKSCOMB DWARF MIXED.** A. Showy dwarf growing plants bearing large velvety combs. If the combs are cut before frost they may be dried and used for winter decoration. Pkt. 5 cts.; $\frac{1}{4}$ oz. 25 cts.; oz. 90 cts.

COBEA SCANDENS.

See page 52.

7. COLUMBINE MIXED (*Aquilegia*). P. If seed is sown during the summer the plants will come into bloom the following year. A fine assortment of colors. Pkt. 5 cts.; $\frac{1}{4}$ oz. 20 cts.; oz. 60 cts.

N10. COREOPSIS GRANDIFLORA. P. During the summer bears profusely golden-yellow flowers which are very useful for cutting. Pkt. 5 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.



Forget-Me-Not.

36. CYCLAMEN, PERSICUM MIXED. P. A free-flowering plant for growing in the house. Seed should be sown early in the spring. The orchid-like blooms range in color from white to crimson. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.; oz. \$1.25.

CYPRESS VINES. See page 52.

101. DAHLIA, CHOICE DOUBLE MIXED. P. These grow very easily from seed, and flower freely the first season, and the roots may be kept over from year to year. Pkt. 5 cts.; $\frac{1}{4}$ oz. 35 cts.; oz. \$1.25.

22. DAHLIA, CACTUS MIXED. A. A fine collection of varieties of the popular quilled dahlia varieties. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.; oz. \$1.75.

N26. DAISY, DOUBLE MIXED (*Bellis Perennis*). P. The hardy plants thrive best in cool shady places. The attractive small double flowers appear very early in the summer. Pkt. 5 cts.; $\frac{1}{4}$ oz. 65 cts.

100. DELPHINIUM, HARDY LARKSPUR. P. Brilliant blue with white eye, blooming in June. Pkt. 5 cts.; $\frac{1}{4}$ oz. 25 cts.

22. DIANTHUS or ANNUAL PINKS MIXED. A. The plants grow one foot high and flower profusely during the entire summer and fall months. The blooms are most desirable for cutting. Pkt. 5 cts.; $\frac{1}{4}$ oz. 20 cts.; oz. 60 cts.

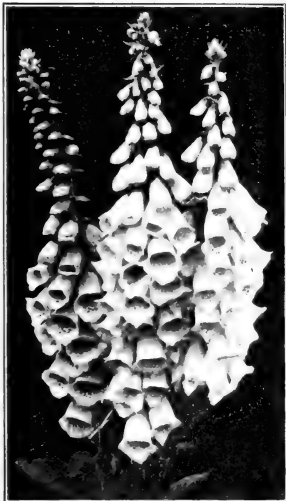
DIANTHUS PLUMARIUS. P. (Pleasant's Eye Pink). The original clove pink, of great beauty. Pkt. 5 cts.; $\frac{1}{4}$ oz. 35 cts.; oz. \$1.25.



N22. ESCHSCHOLTZIA (*California Poppy*) MIXED. A. Plants of low spreading growth with cut feathery foliage and flowering during the entire summer. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 25 cts.

44. FEVERFEW (*Matricaria eximia fl. pl.*). A. The plants attain a height of eight inches; dark cut leaf foliage; the pure white flowers are borne on long stems. Fine for cutting. Pkt. 5 cts.; $\frac{1}{4}$ oz. 30 cts.; oz. \$1.00.

5. FORGET-ME-NOTS (*Myosotis Alpestris*). P. Neat little plants with beautiful star-like blue flowers. It succeeds best in a moist, shady location. Pkt. 5 cts.; $\frac{1}{4}$ oz. 25 cts.; oz. 85 cts.



Fox Glove.

8. FOUR O'CLOCK (*Marvel of Peru*) MIXED. A. The plants grow $2\frac{1}{2}$ feet high and are practically covered with the varied colored flowers about four o'clock in the afternoon. Pkt. 5 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.

2. FOXGLOVE MIXED (*Digitalis*). P. The plants grow three feet high and bear long spikes of thimble-shaped flowers of various colors. If planted in well-drained soil will thrive nicely. Pkt. 5 cts.; $\frac{1}{4}$ oz. 25 cts.; oz. 75 cts.

40. GAILLARDIA, ANNUAL VARIETIES MIXED. (*Blanket Flowers*). A. Glorious annual plants bearing gorgeous-colored flowers. Does exceedingly well in hot, dry weather. Excellent for cutting. Pkt. 5 cts.; $\frac{1}{4}$ oz. 20 cts.; oz. 65 cts.

GAILLARDIA GRANDIFLORA. P. These perennial hybrids are worthy of a place in all hardy borders. The beautiful single flowers are red in the center with clear yellow markings on outer edges of petals. Pkt. 5 cts.; $\frac{1}{4}$ oz. 20 cts.; oz. 50 cts.

7. GERANIUM ZONALE MIXED. P. Although a perennial, it is usually treated as annual when grown from seed unless the plants are taken indoors for the winter. Grows readily from seed planted indoors. Pkt. 10 cts.

N30. GLIA MIXED. A. Suitable plants for beds or rockeries. Free blooming and succeeds well in any location. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 35 cts.

9. GODETIA MIXED. A. Does best in cool locations. The plants bear freely attractively shaped flowers, rich and varied in colors. Pkt. 5 cts.; $\frac{1}{4}$ oz. 20 cts.; oz. 50 cts.

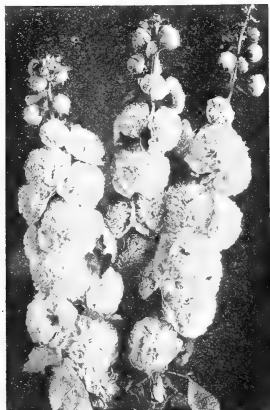
GOURDS. See page 52.

N19. HELICHRYSUM MIXED (Straw Flowers).

A. This is really a double purpose flower. The plants during the late summer are most attractive with their beautiful double flowers which if picked before fully opened make fine dried blooms for winter decorations. All colors mixed. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 50 cts.

N11. HELIOTROPE, CHOICE MIXED. P. Rather tender and will not stand cold weather. Start seed indoors and do not set plants out-of-doors until all danger from frost is past. The flowers have a delightfully fragrant perfume. Pkt. 10 cts.; $\frac{1}{4}$ oz. 85 cts.; oz. \$3.00.

N39. HIBISCUS MIXED (Mallow). P. Of late the Mallows have become very popular, and are worthy of a place in all beds of perennials. The plants attain a height of from 4 to 6 feet and produce profusely the handsomest flowers from June until fall. Pkt. 5 cts.; $\frac{1}{4}$ oz. 20 cts.; oz. 75 cts.



Double Hollyhock.

29. HOLLYHOCK, CHOICE DOUBLE MIXED.

B. These are best treated as biennials. One of the most showy of all hardy garden plants. The majestic plants produce magnificent long spikes bearing beautiful double flowers which measure 3 to 4 inches across. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.; oz. \$1.15.

N34. JOB'S TEARS. A. Curious ornamental grass with broad, cornlike leaves and lustrous slate colored seeds. Pkt. 5 cts.; $\frac{1}{4}$ oz. 10 cts.; oz. 25 cts.

N37. KOCHIA TRICHOPHYLLA. A. (Summer Cypress). A quick growing foliage or hedge plant very symmetrical in form and having innumerable tiny flowers in the fall when the bush takes on a red tinge. Pkt. 5 cts.; oz. 20 cts.

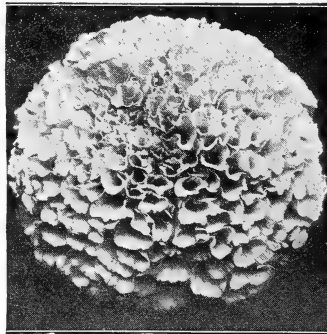
N25. LANTANA MIXED. P. If to be treated as an annual start plants early indoors so as to insure a fine display of bloom during the summer. It makes a splendid house plant. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 50 cts.

41. LARKSPUR, ANNUAL VARIETIES MIXED. A. Very quick-growing and free-flowering. The varied colored flowers are produced on erect spikes. Will thrive anywhere. Pkt. 5 cts.; $\frac{1}{4}$ oz. 10 cts.; oz. 25 cts.

HYACINTH BEAN. See page 52.

N25. LOBELIA MIXED. A. Especially desirable for edging flower beds, also for planting in hanging baskets, vases, etc., and in pots for house plants during the winter. The dwarf compact plants grow six inches high and are covered with beautiful star-like flowers. Pkt. 5 cts.; $\frac{1}{4}$ oz. 75 cts.; oz. \$2.50.

N7. LUPINUS MIXED. A. Very easily grown. The plant is about 12 inches high, and from this develops a long flower spike filled with small flowers. Excellent for cutting. Pkt. 5 cts.; oz. 20 cts.



Lemon Ball Marigold.

MOON FLOWER. See page 52.

MORNING GLORY, TALL AND JAPANESE. See page 52.

12. MORNING GLORY, DWARF MIXED. A. (*Convolvulus Minor*). Dwarf growing plants bearing profusely the brightly colored funnel-shaped flowers. Pkt. 5 cts.; oz. 20 cts.

N46. MARIGOLD AFRICAN LEMON BALL. A. Very large double flowers of a clear canary yellow. Pkt. 10 cts.; $\frac{1}{4}$ oz. 20 cts.; oz. 60 cts.

97. MARIGOLD, AFRICAN ORANGE BALL. A. Tall growing bush with smooth regular orange yellow flowers. Pkt. 10 cts.; $\frac{1}{4}$ oz. 20 cts.; oz. 60 cts.

46. MARIGOLD, TALL AFRICAN DOUBLE MIXED. A. The tall growing plants are $2\frac{1}{2}$ feet high, and produce freely largely double orange and yellow flowers measuring about 3 inches across. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 40 cts.

N38. MARIGOLD, DWARF FRENCH DOUBLE MIXED. A. The bushes attain a height of 12 to 15 inches. The brilliant orange and yellow flowers blend nicely with the dark green, finely-cut fern-like foliage. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 45 cts.

N60. MIGNONETTE MACHET. Valued most highly on account of its delightful fragrance. Thrives best during cool weather, and we recommend that a second sowing be made in August to furnish a supply of the flower heads during the fall. Pkt. 5 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.

OXALIS MIXED. P. Small plants; foliage clover-like; flowers small and very bright in colors. It is better to treat it as an annual. Pkt. 5 cts.

NASTURTIUMS



Nasturtium.

DWARF NASTURTIUMS

A. There is nothing more gorgeous than this easily grown annual. Allow at least 15 inches between the individual plants so as they will have ample space in which to reach perfect development.

Named Sorts: Pkt. 5 and 10 cts.; lb. \$2.00.

Beauty. Giant Flowering Bronze.

Chameleon. Giant Flowering Variegated.

Crimson. Velvety Crimson.

Cloth of Gold. Yellow Foliage, Scarlet Flowers.

King of Tom Thumbs. Scarlet Flowers, Dark Green Foliage.

King Theodore. Crimson Maroon, Dark Foliage.

Pearl, or Moonlight. Creamy White.

Spotted King. Golden Yellow, Spotted Garnet.

S40. Mixed. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.50 postpaid.

TALL NASTURTIUMS

A. These are at their best when planted on a steep slope and allowed to run down without any training. The plants are of strong, vigorous growth and the running shoots may be trained on ordinary fences or on wire netting. Have the plants stand 8 inches apart. All colors mixed.

Named Sorts: Pkt. 5 and 10 cts.; lb. \$2.00.

Butterfly. Lemon Yellow, lower petals blotched with Terra Cotta Red.

Crimson. Velvety Crimson.

King Theodore. Crimson Maroon, Dark Foliage.

Pearl, or Moonlight. Creamy White.

Spit Fire. Brilliant Scarlet Flowers; Profuse Bloomer.

Sun Light. Large Golden Yellow.

Rudolph Virchow. Handsome Rose Pink.

S51. Tall or Climbing Mixed. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. \$1.50.

3. PORTULACA, SINGLE MIXED. A. Fine assortment of many brilliant colors. Sow seed where plants are to bloom. Pkt. 5 cts.; ¼ oz. 20 cts.; oz. 75 cts.

96. PANSY, GIANT-FLOWERING MIXED. P. This is made up of a selection of the finest and largest flowering varieties, and much attention has



Pansy
Giant-Flowered
Mastodon.

been paid to color combinations used. Pkt. 5 and 10 cts.; oz. \$3.00.

31. PETUNIA, GIANT-FLOWERING MIXED. A. Sow seed in boxes inside and be careful not to throw away any very small plants, as usually these produce the largest flowers. This mixture contains the brightest colors. Pkt. 5 and 10 cts.



Petunia, Giant Flowered.

N2. PETUNIA, BEDDING VARIETIES MIXED.

A. As a bedding or border plant nothing surpasses these beautiful bright colored Petunias. Seed may be sown either inside in boxes or outdoors in the beds where the plants are to bloom. Pkt. 5 cts.; ½ oz. 40 cts.; oz. 75 cts.

29. PRIMULA SINENSIS MIXED. A. (Chinese Primrose). Treat as a greenhouse annual. These make splendid winter-blooming pot plants. A fine mixture of many colors. Pkt. 5 and 10 cts.



Phlox Drummondii, Finest Mixed

N59. PHLOX DRUMMONDII, FINEST MIXED.

A. Very attractive, free-flowering plants. Sow seed in the open ground as soon as danger from frost is past. Plants bloom freely the entire season. Pkt. 5 cts.; $\frac{1}{2}$ oz. 60 cts.; oz. \$2.00.

N13. POPPY, THE SHIRLEY MIXED. A. The large flowers are brilliantly colored and always attract much attention. Pkt. 5 cts.; $\frac{1}{4}$ oz. 10 cts.; oz. 25 cts.



Ricinus, Castor Oil Bean.

18. RICINUS, CHOICE MIXED (Castor Oil Beans). **A.** Very ornamental in growth. Recommended for lawns, massing or for center of beds. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.00.

N31. PYRETHUM, GOLDEN FEATHER. P. A very useful hardy perennial. Most desirable for edging or bordering beds filled with other plants. Pkt. 5 cts.; $\frac{1}{4}$ oz. 25 cts.; oz. 85 cts.



Salvia, Bonfire.

SALVIA or SCARLET SAGE

N12. BONFIRE. A. A fine variety, 3 feet high; forms a dense compact bush and is a heavy bloomer, having brilliant scarlet flowers. Pkt. 10 cts.; $\frac{1}{4}$ oz. \$1.00.

24. SPLENDENS. A. Handsome, bushy plants which produce hundreds of spikes of brilliant scarlet flowers during the early fall months. Seed should be sown early indoors; set plants in beds as soon as danger from frost is past. Pkt. 5 and 10 cts.; $\frac{1}{4}$ oz. 60 cts.; oz. \$2.00.



Salpiglossis.

N24. SALPOGLOSSIS. A. An exceedingly beautiful, showy flower, of purple, red, yellow, buff and blue, all delicately veined. Pkt. 5 cts.; $\frac{1}{4}$ oz. 35 cts.; oz. \$1.00.



Sunflower.

100. SUNFLOWER, DOUBLE CHRYSANTHEMUM-FLOWERED. A. Positively the finest sunflower in cultivation. Plants grow 7 feet high. Flowers always perfectly double and of brightest golden-yellow. Pkt. 5 cts.; oz. 30 cts.

N18. SWEET ROCKET MIXED (Hesperis matronalis). P. Plants attain a height of 2 feet and produce panicles of white and lavender flowers. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 35 cts.

20. SWEET WILLIAM, DOUBLE AND SINGLE MIXED. P. An old-time hardy garden favorite, and so easily grown that it should have a place in all gardens. Pkt. 5 cts.; oz. 35 cts.



Stocks, Dwarf.

N29. SENSITIVE PLANT (Mimosa Pudica). P. In the garden this should be treated as an annual. A unique plant, the leaves of which close and droop even if only slightly touched with the hand. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 50 cts.

N57. SCABIOSA MIXED (Sweet Scabious). A. The growing plants are not only highly ornamental, but produce freely on long stems beautifully formed flowers of many colors. Sow seed as soon as trees are starting in leaf. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 45 cts. **SCARLET RUNNER BEAN**—See page 52.

16. STOCKS, DWARF TEN WEEKS MIXED. A. Highly recommended as a cut flower. Sow seed in hotbed or boxes and transplant into rich soil. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. \$1.50.



Veronica.

98. SWEET WILLIAM, BRIGHT SCARLET. P. Pure scarlet in color, single flowers. Pkt. 5 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00.

THUNBERGIA—See page 52.

37. VERBENA, EXTRA FINE MIXED. P. Best treated as an annual. It grows readily from seed. The flower trusses are most attractive and the colorings are beautiful. Pkt. 5 cts.; $\frac{1}{4}$ oz. 45 cts.; oz. \$1.50.

N32. WALL FLOWER, B. An attractive flower, very popular in Europe, having long spikes of many colors. Pkt. 5 cts.; $\frac{1}{4}$ oz. 45 cts.; oz. \$1.50.

ZINNIA

GIANT-FLOWERED, A. Few flowers grown from seed give the general satisfaction that Zinnias give. For brilliancy and variety of colors there is nothing that surpasses our strain. The popularity of this flower is constantly increasing. It is frequently called "Youth and Old Age" because of its constant blooming.

106. CRIMSON. Pkt. 5 and 10 cts.; oz. 75 cts.

107. FLESH PINK. Pkt. 5 and 10 cts.; oz. 75 cts.

108. SULPHUR YELLOW. Pkt. 5 and 10 cts.; oz. 75 cts.

109. WHITE. Pkt. 5 and 10 cts.; oz. 75 cts.

110. MIXED. Pkt. 5 and 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.75; lb. \$5.



Giant-Flowered Zinnia.

SWEET PEAS

Sweet Peas have been frequently referred to as the poor man's Orchid solely because of the abundance of blooms, the colors which may be likened to those found in the rarest Orchids.

America for years has been looked upon as headquarters for seed of this beautiful climbing annual, and with the result that there is now in cultivation hundreds of named varieties.

We are fortunate in having close acquaintance with all the noted producers of Sweet Pea seed. So we have gone over the long list of varieties repeatedly and now offer under color classification what we consider the best of their respective classes.

CULTURE. Sweet Peas should be sown in drills as early as possible in spring in rich, friable soil. Prepare the bed thoroughly, digging in a quantity of well-rotted manure, if it can be done, making a furrow 1 to 6 inches deep. In this sow the seed and cover 2 inches deep. As soon as the plants begin to show through fill in the furrow. This will secure a deep planting without the bad effects of deep covering of the seed at first, and so enable the plant to bloom continuously through the heat of summer. As fast as the flowers come into full bloom they should be cut off, for if the pods are allowed to form the plants will stop blooming. In the selection and growing of our Sweet Peas we have obtained the services of one of the leading

expert Sweet Pea growers in the world, who has made the growing, propagation and developing of grand, new, elegant varieties of Sweet Peas one of the highest aims of life. We, therefore, commend our extra-superior varieties to you with the assurance that if you plant them you will have, without exception, the finest collection of colors and varieties of Sweet Peas of any one in your locality.



Illuminator Sweet Peas.

Hartford, Ala.

Dear Mr. B:—
I received the bulbs all O. K. I got them the day I wrote you. I am well pleased with them.

Mount Pleasant, S. C.

Dear Mr. B:—
The nineteen hundred bulbs I ordered from you September 21 have arrived at last and they are worth waiting for. They are the finest lot of bulbs I have ever seen.

All testimonials guaranteed genuine.

Margaret Atlee Sweet Peas.

Spencer, or Orchid-Flowering Sweet Peas

WHITE

	Pkt.	Oz.	¼lb.	Lb.
57. King White.....	10c	25c	85c	3.00
95. Constance Hinton	10c	25c	85c	3.00

CREAM or YELLOW

39. Clara Curtis.....	10c	25c	85c	3.00
Primrose	10c	25c	85c	3.00

CREAM PINK

(Delicate Pink on Cream Ground)

53. Margaret Atlee.....	10c	25c	85c	3.00
60. Mrs. Rutzahn.....	10c	25c	85c	3.00

LIGHT PINK

49. Elfreda Pearson	10c	25c	85c	3.00
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DEEP PINK

N55. Counter Spencer	10c	25c	85c	3.00
63. Hercules	10c	25c	85c	3.00

SALMON PINK

91. Doris Usher.....	10c	25c	85c	3.00
66. Illuminator.....	10c	30c	85c	3.00

ROSE

80. Geo. Herbert.....	10c	25c	85c	3.00
62. Rosabelle	10c	25c	85c	3.00

CRIMSON or SCARLET

86. King Edward Spencer	10c	25c	85c	3.00
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ORANGE

93. Fiery Cross.....	15c	40c	1.25	...
68. Helen Grosvenor	10c	25c	85c	3.00
64. Thomas Stevenson	10c	30c	85c	3.00

SALMON

54. Barbara	10c	30c	85c	3.00
N47. Sterling Stent	10c	25c	85c	3.00

LAVENDER

	Pkt.	Oz.	¼lb.	Lb.
83. Florence Nightingale	10c	25c	85c	3.00
61. Tennant Spencer	10c	25c	85c	3.00

BLUE

71. Margaret Madison	10c	25c	85c	3.00
56. Wedgewood	10c	25c	85c	3.00
N52. Royal Purple.....	10c	30c	85c	3.00

MAROON

94. Nubian	10c	25c	85c	3.00
92. King Manoel.....	10c	25c	85c	3.00

BI-COLOR

(Pink and White)

69. Blanche Ferry Spencer	10c	25c	85c	3.00
N50. Mrs. Cuth- bertson	10c	25c	85c	3.00

PICOTEE EDGED

N36. Dainty Spencer, white, edged pink	10c	25c	85c	3.00
88. Mrs. Townsend, white, edged blue	10c	25c	85c	3.00
87. Mrs. C. W. Bread- more, cream edged pink.....	10c	25c	85c	3.00

STRIPED or VARIEGATED

N41. Senator Spencer	10c	25c	85c	3.00
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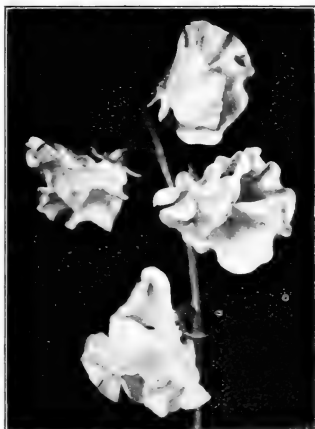
50. Superb Mixed Spencers

This mixture not only contains all the above, but also a host of other varieties, all blended together in just the right proportion. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

Superb Early or Christmas Flowering Spencer Sweet Peas

These varieties are a welcome addition to our lists, for they flower several weeks earlier than the regular Spencers, and if planted with them you will have a much longer season of bloom.

	WHITE	Pkt.	Oz.	¼Lb.
75. Early Snowflake		\$.10	\$.50	\$1.50
	PINK			
76. Early Yarrowa .....		.10	.50	1.50
79. Early Hercules .....		.10	.50	1.50
73. Early Pink and White .....		.10	.50	1.50
85. Early Peace .....		.10	.50	1.50
	ORANGE SCARLET			
77. Early Morning Star .....		.10	.50	1.50
	CRIMSON			
78. Early Liberty .....		.10	.50	1.50
	LAVENDER			
70. Early Songster .....		.10	.50	1.50
52. Early Warbler .....		.10	.50	1.50



Early Snowflake Sweet Peas.

The Best Grandiflora Sweet Peas

In spite of the vast superiority of the Spencer or Orchid-Flowering Sweet Peas, we find there are some planters who still prefer the older or Grandiflora types.

Our list includes all the best varieties in the different color classifications.

WHITE	CRIMSON or SCARLET	MAROON
Pkt. Oz. ¼lb. Lb.	Pkt. Oz. ¼lb. Lb.	Pkt. Oz. ¼lb. Lb.
N43. Dorothy Eckford ..5c 15c 45c \$1.50	59. King Edward VII ..5c 15c 45c \$1.50	55. Black Knight ..5c 15c 45c \$1.50
		67. Othello ..5c 15c 45c 1.50
YELLOW	ORANGE	BI-COLOR
N13. Hon. Mrs. E. Kenyon ..5c 15c 45c 1.50	74. Miss Willmott ..5c 15c 45c 1.50	(Pink and White)
		S55. Blanche Ferry ..5c 15c 45c 1.50
LIGHT PINK	LAVENDER	STRIPED or VARIEGATED
58. Prima Donna ..5c 15c 45c 1.50	2. Lady Grisel Hamilton ..5c 15c 45c 1.50	72. Aurora ..5c 15c 45c 1.50
	N40. Mrs. Geo. H. Higginson, Jr. ..5c 15c 45c 1.50	65. Helen Pierce ..5c 15c 45c 1.50
DARK PINK	BLUE	Best Large Flowering Mixed
39. Janet Scott ..5c 15c 45c 1.50	81. Navy Blue ..5c 15c 45c 1.50	A carefully prepared mixture containing all the best American and Eckford Grandiflora varieties. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; 1 lb. \$1.00.
ROSE		
51. Prince of Wales ..5c 15c 45c 1.50		

Eight Charming Spencer Sweet Peas for 25 Cts.

FULL SIZE
PACKAGE.

Sweet Peas are each season becoming more and more popular. Sow seed as early in the spring as the soil can be made ready, and bear in mind the fact that the more blooms you cut the more the vines will produce. In this collection we include the best in the different color classifications.

George Herbert. Bright carmine.
King Edward Spencer. Fine scarlet.
Dainty Spencer. White with pink edge.
Illuminator. Beautiful salmon pink.

Florence Nightingale. Soft lavender.
Constance Hinton. Best white.
Margaret Atlee. Attractive cream pink.
Superb Mixed Spencers. Many colors.

EIGHT SPENCER SWEETS PEAS FOR 25 CTS.

Eight Beautiful Flowers for 25 Cts.

Nothing adds more charm to the home surroundings and, although we all realize the necessity of increasing the supply of food, yet no one should begrudge giving a small space in the garden to these brightly-colored annual flowers. All the following varieties are easily grown and constant bloomers.

Alyssum, Little Gem.
Antirrhinum, Half-Dwarf Mixed (Snapdragons).
Aster, Bolgiano's Special Mixture.
Eschscholtzia, Mixed (California Poppy).

Four O'Clock (Marvel of Peru).
Marigold, African Double Mixed.
Larkspur, Mixed.
Petunia, Bedding Varieties Mixed.

ANNUAL CLIMBING VINES



Morning Glory.

These hardy annual climbers are very easy to grow, and it is remarkable how quickly the vines attain a great height. Any of the varieties are suitable for covering unsightly fences, etc.

23. BALLOON VINE, or "LOVE-IN-A-PUFF." A. An attractive climber of quick growth and bears profusely inflated seed capsules. Pkt. 5 cts.; $\frac{1}{4}$ oz. 10 cts.; oz. 25 cts.

43. BALSAM APPLE (MOMORDICA BALSAMINA). A. A rapid growing vine producing apple-shaped fruits. Pkt. 5 cts.; $\frac{1}{4}$ oz. 10 cts.; oz. 25 cts.

N21. CANARY BIRD VINE. A. (*Tropaeolum Canariensis*). A very attractive climber, producing freely fringed yellow flowers. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 25 cts.

4. COBOEA SCANDENS. A. A rapid grower with fine foliage. Beautiful violet-colored bell-shaped flowers. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 50 cts.

N23. CLEMATIS. P. A quickly growing vine with deliciously fragrant flowers of pure white, blooming in September. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 50 cts.

21. CYPRESS VINE MIXED. A. Finely cut fern-like foliage from which protrudes hundreds of star-like flowers. Of very quick growth. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 45 cts.

48. GOURDS, ORNAMENTAL MIXED. A. Easily grown and the many odd and curious fruits are always a source of delight to both young and old. Pkt. 5 cts.; $\frac{1}{4}$ oz. 10 cts.; oz. 25 cts.

34. HYACINTH BEAN. A. A fine climber with clusters of purple or white flowers followed by ornamental seed pods. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.

39. MOONFLOWER. A. So called because it has the characteristic of opening its flowers during the late afternoon and evening. The large pure white flowers contrast beautifully with the heavy dense foliage. Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts.; oz. 50 cts.

NASTURTIUM, TALL VARIETIES AND MIXED. See page 47.

N7. THUNBERGIA MIXED (BLACK-EYED SUSAN). A. Neat foliage. Vines are of rapid growth and produce freely white, yellow and orange flowers, each with a black eye. Pkt., 5 cts.; $\frac{1}{4}$ oz., 25 cts.; oz., 85 cts.

N44. MORNING GLORY, IMPERIAL JAPANESE MIXED. The flowers are extra large in size and of many colors. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.

26. MORNING GLORIES MIXED. A. These are easily the most popular of all our annual climbers. Simply scatter the seed where you wish the plants to grow. Pkt. 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.

N14. SCARLET RUNNER BEAN. A. A quick-growing vine bearing large sprays of bright scarlet pea-like flowers. When fully ripened the dry beans are bright scarlet, heavily blotched with purple. Pkt., 5 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts.

PEONIES

ACCHILE. Rose to white. 50 cts.

COURNNE DE OR. Rellowish white. 50 cts.

ENDULUS SUPERBA. Violet rose. 60 cts.

FELIX CROUSE. Brilliant red. 75 cts.

FLORAL TREASURE. Blush white. 75 cts.

LOUISE VAN HOUTTE. Rich rose red. 50 cts.

MONS JULES ELIE. Large light pink, fragrant. 80 cts.

MONSIEUR KRELAGE. Cerese pink, extra fine and fragrant. 90 cts.

NE PLUS ULTRA. Violet rose, fragrant, very fine. \$1.00.

NOBLISSIMA. Deep pink, very fine. 75 cts.

QUEEN VICTORIA. White flecked with red. 50 cts.

SOUVENIR DE L'EXPOSITION. Light pink, dark pink center. \$1.00.

VENUS. Shell pink, extra large ball-shaped blooms. \$1.00.

ZOE CALLOT. Rose fragrant. 70 cts.

UNNAMED VARIETIES. Very fine strains are included among these roots, but are sold at the cheaper price because they are mixed. 40 cts. each.



Peony.



Cannas.

GLADIOLI, CAPITOL CITY MIXTURE. This is a special mixture comprising all the most desirable colors. The tall stalks carry long spikes of beautiful flowers. It is very easily grown. 6 for 35 cts.; 12 for 60 cts.; 50 for \$1.50, or 100 for \$3.00.

CANNAS

These wonderful bedding plants give uniformly good results in all sections of the country. They succeed in any sunny position, in any kind of soil, but will repay liberal treatment. For best results spade the beds 2 feet deep, and incorporate in the soil a liberal amount of well-decayed manure of any kind. Water well at all times. The best effect is given by planting large masses of one color, setting the plants 18 inches apart.

ROBINHOOD. In this splendid new canna we introduce to our friends the finest pure scarlet canna that has ever been developed. Its blooms are of immense size and more beautiful in form than any we have seen. The foliage is of a bright green, very heavy and remarkably strong growth. Height 4 to 5 feet. 35 cts. each; \$3.50 per dozen.

THE PRESIDENT. This is described best when said to combine all the good qualities of Fire Bird with none of its faults. Blooms are pure crimson and foliage deep green. Height 4 to 5 feet. 20 cts. each; \$2.00 per dozen.

KING HUBERT. The most popular of cannas. Gigantic orange scarlet trusses with red markings. Foliage deep coppery bronze. 5 feet tall. 15 cts. each; \$1.25 per dozen.

YELLOW KING HUBERT, or QUEEN HELEN. A yellow counterpart of the popular King Humbert. Flowers brilliant yellow dotted with red. Foliage green. 5 to 6 feet tall. 15 cts. each; \$1.25 per dozen.

ROSEA GIGANTEA, Large trusses of soft rose to carmine-pink flowers. Blue-green foliage. Height 3½ feet. 15 cts. each; \$1.25 per dozen.

EUREKA. Largest of pure white cannas. A free bloomer. 4 to 5 feet tall. 15 cts. each; \$1.25 per doz.

These summer-flowering bulbs are very easily grown, and during the summer furnish for the house and table beautiful blooms for decorating purposes. They are not particular as to soil so long as it is fairly rich.

GLADIOLI

GLADIOLUS AMERICA. The beautiful lavender-pink flowers are borne on long stems and are firmly placed on the spike. 10 cts. each; 12 for \$1.00, postpaid.

GLADIOLUS AUGUSTA. Spikes of attractive blooms, in color white with blue anthers. 10 cts. each; 12 for \$1.00, postpaid.

GLADIOLUS MRS. FRANCIS KING. Large spikes of beautiful light scarlet flowers. 10 cts. each; 12 for \$1.00, postpaid.

MRS. FRANK PENDLETON. Large flowers of a lovely flushed salmon pink with deep blood red blotches at the throat. 10 cts. each; 12 for \$1.00, postpaid.



Gladiolus America.

LOUISIANA. Strong, vigorous; vivid scarlet flowers, the largest and finest of their color. 7 feet tall. 10 cts. each; \$1.00 per dozen.

ALEMANIA. Enormous flowers; broad golden border, scarlet and dark red. 5 to 6 feet tall. 10 cts. each; \$1.00 per dozen.

WYOMING. Orange flowers with lighter colored border. Foliage purplish bronze. 10 cts. each; \$1.00 per dozen.

MISCELLANEOUS BULBS

APIOS TUBEROSA (Tuberous-Rooted Wistaria). Produces clusters of purple flowers of delightful fragrance. Tubers, 8 cts. each; 6 for 40 cts.; 12 for 75 cts., postpaid.

CALADIUM ESCULENTUM (Elephant's Ear). The large leaves attain an enormous size and the single plants are most effective as individual specimens on the lawn. Mammoth Bulbs, 11 to 13 inches. 40 cts. each. Large Size, 9 to 11 inches. 20 cts. each. By mail, add 10 cts. each for postage.

CINNAMON VINE. A hardy climber, which grows very rapidly. The foliage is bright green in color and the white flowers are cinnamon-scented. 8 cts. each; 6 for 40 cts.; 12 for 75 cts., postpaid.

HYACINTHUS CANDICANS. Yucca-like foliage. Plants grow four feet high and produce several spikes of beautiful white flowers. Each 8 cts.; 12 for 75 cts.

MADEIRA VINE. A very quick growing vine, bearing fragrant white flowers. 5 cts. each; 12 for 40 cts.

EXCELSIOR PEARL TUBEROSE, Mammoth Size Bulbs. Deliciously fragrant white flowers. Plant in the garden as soon as all danger from frost is past. 7 cts. each; 6 for 40 cts.; 12 for 75 cts.; 25 for \$1.50, or 100 for \$5.00.

Fall Bulbs such as TULIPS, HYACINTHUS, NARCISSUS, etc., will reward the planter with a beautiful display of flowers during the spring months. If you are interested in spring flowering bulbs, kindly advise us, and we shall file your name for a copy of our Fall Price List, which will be mailed early in the fall.



DAHLIAS

Important. We supply Field - Crown divisions.

The Dahlia is of the easiest possible culture. Plant in good soil in the full sunlight, and keep the ground well worked or mulched, and you will be repaid by showers of bloom.

Four New Giant Dahlias

For size, coloring, form and vigor of growth, these varieties are in a class by themselves.

The four for \$2.00.

D. M. MOORE. In this offering we have one of the best "nearly black" varieties to date. It is a rich, deep, velvety Victoria-lake, which is a shade deeper than deep maroon, the nearest approach to black to my knowledge. A mammoth flower produced in protusion on long, stiff stems. 50 cts. each.

MADONNA. Magnificent New Peony-flowered Dahlia. A perfect wonder; its remarkable qualities being beautiful shape, excellent cut-flower variety, and one of the most satisfactory in the garden. The flowers are borne in a miraculous profusion, upon long graceful stems of wiry stiffness, making it one of the most desirable. In color a very beautiful white, very slightly tinted with a most delicate shade of lavender-pink. The form is perfectly original, each petal curling and twisting in a very pleasing manner. This variety has been previously cataloged as "Baron G. de Grancy," having been imported from Holland under that name. 50 cts. each.

MIXED DAHLIAS

A splendid mixture of many fine varieties. 15 cts. each; 2 for 25 cts.; 12 for \$1.25.

MINA BURGLE. This new introduction is one of the finest varieties to date—a champion variety, producing flowers of gigantic size and remarkable beauty; the best in existence. Color, a glowing and most brilliant scarlet. The flowers are of perfect Decorative type and are borne upon long, wiry stems well above the foliage. Attracts universal attention. 50 cts. each.

MRS. ROOSEVELT. Even larger than Cuban Giant. Decorative form, full and double. Color, a delicate shade of pink. 50 cts. each.

New Peony-Flowered Dahlias

HORTULANUS BUDE. Gorgeous Holland Peony-flowered Dahlia. A bright deep red; of splendid habit. One of the most reliable. 35 cts. each.

PHENOMENE. A very effective and novel variety, having beautiful Cactus-shaped florets. The color is an exquisite salmon shade, suffused light amber. 25 cts. each.

QUEEN WILHELMINA. Largest and finest of the pure white. Excellent for cut flowers or gardens. The long graceful stems bear immense fluffy flowers of pure glistening white, showing its beautiful golden-yellow center very prominently. 25 cts. each.

MARIE STUDHOLME. Delicate, bright mauve-pink, shaded with a glistening ivory sheen. This beautiful combination of colors gives the appearance of a lavender-pink. The flowers are of very original form, petals being very gracefully curved and twisted. 35 cts. each.

The above Four for \$1.00.

Superb Cactus Dahlias

BEDINIA (Hybrid). Clear, bright orange, striped and flaked red; very striking. 20 cts. each.

COUNTRESS OF LONSDALE. A peculiar but pleasing blend of salmon-pink and amber; flowers freely under all conditions. 35 cts. each.

EARL OF PEMBROKE. Bright plum color; large, bold flower. 20 cts. each.

ELLA KRAMER. Rose - pink with much brighter center; fine form. 25 cts. each.

EUREKA. Color, very deep purple. Petals are long, straight and tightly quilled. 20 cts. each.

HENRI CAYEUX. Immense size and perfect form. Color, an old gold, shading to golden yellow; plants very vigorous. 20 cts. each.

J. H. JACKSON. The finest black dahlia in existence. Color deep, black-est maroon. Gigantic in size. Each 25 cts.

STANDARD BEARER. Brightest scarlet. Plant dwarf, branching; profuse bloomer. 20 cts. each.

STERN. Bright prim rose yellow. Large flowers, long and pointed petals. 25 cts. each.

WINSOME. Pure cream white. Each 25 cts.

One each of the above ten varieties, by mail, \$2.00.

Six Superb Double Show Dahlias

A. D. LIVONI. Beautiful clear pink; of perfect form. 25 cts. each.

GOLDEN AGE. Sulphur-yellow. Free-flowering. 25 cts. each.

LUCY FAWCETT. A very large, quilled bloom; sulphur-yellow, lightly striped and blotched carmine; sometimes clear yellow. 25 cts. each.

ROBERT BROOMFIELD. Pure white. Tall grower. 20 cts. each.

STRADELLA. Beautiful deep purple-crimson. Exceptionally free flowering. Stems long and wiry. One of the finest to date. 20 cts. each.

VIVIAN. A great favorite of every one who has seen its wonderful flowers. The color is white, effectively edged rose violet. 20 cts. each.

Twelve Choicest Decorative Dahlias

CLARABEL. Color, rich rosy purple. 25 cts. each.

CLIFFORD W. BRUTON. The best yellow. Immense size, perfect form, finest canary-yellow. Tall. 25 cts. ea

CUBAN GIANT. An immense, full-double, quilled Dahlia, 6 to 7 inches in diameter. Color dark, glowing crimson. Price, 25 cts. each.

ELSIE DAVIDSON. A beautiful deep, golden yellow, very large, and fine for cutting. 25 cts. each.

JACK ROSE. Brilliant crimson red, similar to the popular "Jack" Rose. 20 cts. each.

JEAN CHARMET. An exquisite shade of lilac-pink daintily shading to pure white toward the center with a tinge of light yellow at the margins. 25 cts. each.

LYNDHURST. One of the best bright scarlets; invaluable for cutting; large, perfectly full center; long stems. Each 20 cts.

MINOS. Beautiful flowers borne on long graceful stems. The color is intense velvety maroon, almost black. 25 cts. each.

ORA DOW. A beautiful velvety maroon tipped with white. Very strong, tall growing plant. 20 cts. each.

PRINCE OF ORANGE. A novel combination of orange and yellow shades. 20 cts. each.

REGGIE. A colossal Dahlia of beautiful cherry-red color, producing flowers upon long stems, well above the foliage. Very free. 25 cts. each.

SOUVENIR DE GUSTAVE DOUZON. A pure scarlet decorative variety of mammoth proportions; will produce flowers 6 to 9 inches across. Each 20 cts.

One each of the above 12 varieties, \$2.50; any six for \$1.25. Your choice.

PLANT SECTION

The following varieties of roses have all been tested out at our nursery and have been found the most satisfactory of a long list. The plants we send you are all two-year budded or grafted plants trimmed and ready for planting, but we reserve the right to use strong 4-inch pot roses if your order is received late in the season.

Prices of all roses in this list \$1.00 each or \$8.00 per ten.

HARDY HYBRID TEA ROSES

BESSIE BROWN. White, sometimes flushed pink.
BRITISH QUEEN. Opens pure white, very free bloomer and a good bedder.
COLUMBIA. Peach blow pink.
CRIMSON QUEEN. Rich velvety crimson.
DORTH PAGE ROBERTS. Coppery pink.
DOUBLE WHITE KILLARNEY. Very fine creamy white.
DUCHESS OF WELLINGTON. Saffron yellow.
ETOILE DE FRANCE. Rich crimson.
GEN. MCARTHUR. Vivid crimson scarlet.
JONKHEER J. L. MOCK. Clear imperial pink.
KILLARNEY. Exquisite shade of deep shell pink.
LA FRANCE. Silvery rose shaded pink.
LADY ALICE STANLEY. Deep coral rose, inside delicate pink.
LADY HILLINGDON. Deep apricot yellow.
MAD. CAROLIN TESTOUT. Brilliant satiny rose.
MAD. ABL. CHATNAY. Rose pink; good grower and very free bloomer.
MAD. EDOUARD HARRIOT. Very fine; gold cup winner.
METEOR. Intense velvety crimson.
MISTRESS AARON WARD. Most striking color, Indian yellow shading to lemon cream.
MOLLY AHARMAN CRAWFORD. Delicate white opening to dazzling snow white.

TEA ROSES

CORNELIA COOK. Clear snow white.
ETOILE DE LION. Deep golden yellow.
GOLDEN GATE. Creamy white.
HELEN GOOD. Delicate pink.
MAD. CONSTANCE SOUPERT. Citron yellow.
MLLE. KRUEGER. Deep copper yellow, vigorous grower.
MAMAN COCHET. Rich rosy pink.
WHITE MAMAN COCHET. Pure white.

HYBRID PERPETUAL ROSES

ANNA DE DIESBACH. Lovely shell pink long pointed buds.
FRAU KARL DRUSCHKI. The best pure white rose.
GENERAL JACQUEMINOT. Bright shining crimson.
MADAME MASSON. Intense red, very highly perfumed and very striking.
PAUL NEYRON. Bright shining pink, the largest of rose blooms.
PRINCE CAMILLE DE ROHAN. Large, handsome and fragrant blooms.

EVER BLOOMING CLIMBING ROSES

AMERICAN BEAUTY. Very fine dark pink to red.
METEOR. Deep rich velvety crimson.
CAROLINE TESTOUT. Beautiful growing pink.
PAUL NEYRON. A fine pink.
GRUSS EN TEPLTZ. Vivid fiery crimson.

RAMBLER ROSES

PHILADELPHIA CRIMSON RAMBLER. Flowers of intense crimson hue.

THOUSAND BEAUTIES. Soft pink to carmine rose.

WHITE DOROTHY. Pure white.

DOROTHY PERKINS. Pink.

AMERICAN PILLAR. Large single flowers of rich rosy pink.

SILVER MOON. Clear silvery white.

CRIMSON RAMBLER. Large trusses of crimson blooms.

Fruit Department

APPLE TREES. 4 to 5 feet. \$1.25 each; \$10.00 per ten.

Winter varieties—Delicious, Stayman, Baldwin, Jonathan, Paragon, Winesap.

Autumn varieties—Grimes Golden, Maiden Blush. Summer varieties—Yellow Transparent, Red June, Early Harvest.

PEAR TREES. 4 to 5 feet. \$1.50 each; \$12.50 per ten.

Bartlett, Seckel and Kieffer.

CHERRY TREES. 4 to 5 feet. \$1.50 each.

Sour varieties—Montmorency, Early Richmond. Sweet varieties—Tartarian and Yellow Spanish.

QUINCE TREES. 4 to 5 feet. \$1.50 each.

PEACH TREES. Assorted varieties early to late. 75 cts. each; \$6.00 per ten.

RASPBERRIES (BLACK CAPS). 20 cts. each; \$1.50 per ten.

Varieties—Cumberland, Kansas and Gregg.

RASPBERRIES, RED. 20 cts. each; \$1.50 per ten.

GRAPE VINES. 35 cts. each.

Varieties—Concord, Niagara, Worden, Moores, Early and Delaware.

HORSE RADISH. 20 cts. each; \$1.50 per ten.

STRAWBERRIES. \$1.50 per 100; \$8.00 per 1,000.

Varieties—Aroma, Gaudy, Early Ozark, Klondyke.

EVERBEARING STRAWBERRIES. \$3.00 per 100; \$12.50 per 1,000.

Varieties—Progressive, Superb.

Shade Trees

NORWAY MAPLE. 10 to 12 ft., \$2.50 each.

SILVER MAPLE. 8 to 10 feet, \$1.00 each; 10 to 12 feet, \$1.50 each.

PIN OAK. 12 to 14 feet, \$4.00 each.

WHITE BIRCH. 8 to 10 feet, \$2.00 each.

CATALPA BUNGEI, GRAFTED. \$2.50 each.

LOMBARDY POPLAR. 12 to 14 ft., \$2.00 each; \$10.00 per ten.

ORIENTAL PLANE. 12 to 14 feet, \$3.00 each; 8 to 10 ft., \$1.50 each.

HORSE CHESTNUT. 8 to 10 feet, \$3.00 each.

AMERICAN LINDEN. 10 to 12 ft., \$3.00 each.

AMERICAN ELM. 10 to 14 ft., \$3.00 each.

Evergreens

Sizes from 18 inches to 5 feet.

COLORADO BLUE SPRUCE.

AMERICAN ARBORVITAE.

GLOBE ARBORVITAE.

PLUMOSA AUREA.

RETINOSPORA FILIFERA.

JUNIPENS VIRGINIANA.

JUNIPENS PROSTRATE.

ENGLEMAN'S SPRUCE.

PYRAMIDAL ARBORVITAE.

RETINOSPORA PLUMOSA.

RETINOSPORA FILIFERA AUREA.

RETINOSPORA SQUAROSA.

JUNIPERUS SABINA.

JUNIPERUS COMMUNIS.

We shall be pleased to quote you on your wants.

HARDY FLOWERING SHRUBS

To bring out the full effect of the beauty of Annual and Perennial flowers, there is nothing equal to a harmonious background of hardy flowering shrubs. Our selection is designed for the average home, and will enable the owner to have a charming display of beautiful flowers for the spring, summer and autumn, in addition to the added color of berries, fruit, leaves and bark, all of which makes the home more enjoyable at all seasons. Our shrubs are of tested varieties and sold at prices which will enable you to beautify your grounds at small cost. Experienced nurserymen only grow and ship our stocks, which will succeed with a reasonable amount of care and attention, and give a lasting pleasure.

Prices are for stock at our store, or packed ready for shipment at the Nurseries near Washington, D. C.

ALTHEA. Rose of Sharon. Bloom in August and September, large, bright, single and double flowers. Fine specimen border or hedge plants; stand clipping well. Double rose, purple, red and single white 3 to 4 feet, 75 cts. each; \$5.00 per ten.

ARONA. Small white tinted flowers followed by bright blackberry-like fruits, valuable to attract birds. 2 to 3 feet, 60 cts. each.

AZALIA. Low evergreen shrub, much used for border plant, in foundation plantings.

Amoenae. Claret colored flowers early in spring. 12 to 15 inch, \$1.50; 15 to 18 inch, \$2.25.

Ponicia. 15 to 18 inch, \$2.50.

Mollis. 15 to 18 inch, \$2.50.

CALYCANTHUS. Old-time sweet shrub; queer, strong-scented flowers, sometimes called Carolina Allspice. 2 to 3 feet, 60 cts.; 3 to 4 feet, 75 cts.

CEANOTHUS. New Jersey Tea; dwarf shrub; white flowers in dense clusters all summer. 2 to 3 feet, 50 cts. each. Improved variety, light blue flowers, 2 to 3 feet, 50 cts. each.

CORNUS SIBERICA. Siberian Dog Wood. Valuable for its white berries and scarlet red twigs in winter. Yellow twigged variety for contrast will grow in damp and shady places. 2 to 3 feet, 50 cts.; 3 to 4 feet, 60 cts., 10 for \$5.00.

CYDONIA. Flowering Quince. A grand old-time shrub covered in spring with dazzling scarlet flowers. Good foliage and thorns will protect your lawn from people who like to make short cuts. 2 to 3 feet, 75 cts. each.

DUTZIA. Several varieties ranging in height from 2 to 16 feet.

Crenata. Tall, with double pure white flowers; a very handsome free-flowering plant.

Pride of Rochester. The largest white flowering variety.

Crenata Rosae. Fine clusters of single pink flowers.

The above varieties of Dutzia, 2 to 3 feet, 50 cts. each, \$3.50 per ten; 3 to 4 feet, 70 cts. each, \$7.50 per dozen.

Gracilis. Dwarf growing, very bushy, covered with pure white flowers in May and a splendid edging or low hedge plant. 18 to 24 inches, 60 cts.

Lemoines. Small shrub with spreading branches and clusters of pure white flowers in May and June. Dutzia Gracilis and Lemoines, 2 to 3 feet, 50 cts., \$4.00 per ten.

LLAC. The most charming of flowering shrubs.

Vulgaris. The old-fashioned lilac light purple flowers.

Vulgaris-Alba. The old-fashioned white lilac. 3 to 4 feet, 80 cts. each, \$6.00 per 10.

Charles X. Loose trusses of single flowers of reddish purple, a fast grower with large glossy leaves.

Pres. Grevy. Huge panicles of beautiful shade of light blue.

Souv. de Ludwig Spaeth. The most beautiful of the dark blue French.

Frau Bertha Damon. Extra large trusses of pure white flowers.

M d Lemoine. Double pure white, very fine.

The above five varieties—3 to 4 feet, \$1.00 each; 2 to 3 feet, 80 cts. each, \$7.50 per 10.

FORSYTHIA. Golden Bell. One of the first shrubs to bloom in the spring; masses of bright golden yellow flowers before the leaves appear.

Suspensa. Graceful shrub with long slender branches; dark green foliage; can be trained on trellises or arches.

Intermedia. The first to bloom, more upright grower than Suspensa.

Viridissima. Tall grower with golden flowers. 3 to 4 feet, 75 cts. each, 10 for \$5.00.

GOLD FLOWER. A small shrub, with golden yellow flowers, brilliant, about two inches across; adapted to a shade position. 2 to 3 feet, 50 cts. each.

HAZELNUT. Corylus Americana. A nut-bearing shrub. 2 to 3 feet, 60 cts.; 3 to 4 feet, 75 cts.

HYDRANGEA. Arborescens Grandiflora. Banks of Snow. All summer flowering shrub; large, pure white flowers. Heads often 10 inches across. A grand new hardy shrub. 2 to 3 feet, 70 cts. each, 10 for \$5.00.

Paniculata Grandiflora. This grand old shrub is one of the most showy shrubs during August and September. Massive white blooms, pure white, turning to pink and then to bronze. Can be grown in tree form for specimen or kept low for mass plantings. 2 to 3 feet, 80 cts. each.

HYDRANGEA. High Bush Honeysuckles. Bright, pretty, fragrant flowers in spring followed by showy berries through the fall and early winter. A wonderful plant to attract birds. A very good hedge plant.

Elegans. Pink and white flowers early in spring; fragrant.

Morrowii. 4 to 6 feet; pure white flowers early in spring, followed by bright red berries.

Rubra. Deep rose pink; flowers in June.

Alba. Flowers bluish white.

The above five sorts—2 to 3 feet, 50 cts. each; 3 to 4 feet, 75 cts. each, \$5.00 per ten.

PHILADELPHUS. Mock Orange. Avelanche. Very large fragrant flowers on slender branches which arch gracefully to the ground.

Grandiflorus. Very large white flowers in June.

Lemoines Erectus. Tall shrub, fine foliage, creamy white flowers in June.

The above three varieties—3 to 4 feet, 75 cts. each, \$5.00 per ten.

SYMPHORICARPUS, RACEMOSUS. Snow Berry. Small shrub, small pink and white flowers in July and August. Clusters of waxy white berries in the autumn. 3 to 4 feet, 80 cts. each, \$7.00 for 10.

Vulgaris. Correl berry. Small shrub, dark green foliage, dark red fruits clustered around graceful branches. Valuable plant for dry shady positions. 2 to 3 feet, 50 cts. each, \$4.00 per 10.

SPIREAS. Arguta Multiflora. Snow Garland. Drooping branches. A snowy mass of clear white flowers in May. 2 to 3 feet, 60 cts. each.

Opulifolia, Nip. Bk. Tall grower, 8 to 10 feet; white flowers in June, turning to a dark red. 3 to 4 feet, 60 cts. each; 4 to 5 feet, 75 cts. each.

Prunifolia, Bridal Wreath. Very effective shrub covered with small double white flowers. 3 to 4 feet, 75 cts. each.

Anthony Waterer. Blooms all summer with panicles of crimson flowers. 18 to 24 inches, 60 cts.

Van Houttei. The grandest of all the Spiraeas, and one of the best flowering shrubs. Wonderful show of bloom in late May and early June. 2 to 3 feet, 60 cts. each; 3 to 4 feet, 75 cts. each, \$6.00 per 10.

Callosa Alba. Large flat clusters of white flowers nearly all season.

Thunbergii. Fine shrub, 3 to 4 feet, having graceful arching branches with long sprays of white flowers in early spring. The three last varieties of dwarf Spiraeas, 2 to 3 feet, 75 cts. each, \$5.00 per 10.

S. HUMAC. Rhus Aromatica. Fragrant. 2 to 3 feet, 60 cts.

Glabra. Shining sumac. 2 to 3 feet, 60 cts.; 3 to 4 feet, 70 cts.

Typhina. Staghorn sumac. 3 to 4 feet, 75 cts.

Cotinus. Purple fringe or smoke bush. 2 to 3 feet, 70 cts.; 3 to 4 feet, 90 cts.

VIBURNUM. Opulus Sterilis. The old-time snowball. White balls of pure white flowers. As a rule in full bloom Decoration Day.

Plicatum. Japanese Snowball. Of erect, compact growth. A solid mass of pure white in June. 3 to 4 feet, 85 cts. each.

WEIGELIA. Beautiful, free blooming shrubs, much used in borders and as specimen plants for the lawn.

Candida. 4 to 6 feet. Pure white blooms in great profusion in June.

Eva Rathka. One of the most valuable. Flowers deep carmine red. June and July. 2 to 3 feet, 60 cts.

WISTERIA. Pale blue flowers, 2 to 3 feet, 90 cts. Pure white flowers, 2 to 3 feet, 90 cts.

HEDGE PLANTS

Japanese Barberry. The best and most practical low hedge plant. It also makes a good footing or base planting near the house or as a border plant in front of tall growing shrubs. They can be allowed to grow naturally or pruned into any hedge form desired.

Per 10.	100.
12 to 18 inches.....	\$2.00
18 to 24 inches.....	3.50
	30.00

California Privet. The best known hedge plant. Dark green foliage which hangs to the plant until midwinter.

Per 10.	100.
12 to 18 inches.....	\$1.25
18 to 24 inches.....	1.40
2 to 3 feet.....	1.75
4 to 5 feet.....	3.00
	22.00

PRACTICAL LANDSCAPE GARDENING

By ROBT. B. CRIDLAND

This is an entirely different book from any landscape treatise previously written, because it fits into your wants, considers practicability equally with the laws of art and beauty, and covers every detail. It contains ninety-one photographic illustrations, sixty-seven sketches and thirty-three plans, nineteen of which are planting plans accompanied by planting keys.

The type is large and clear; the paper is enamel; the binding durable. The color plates on front cover is irresistibly attractive; it portrays a wonderful landscape scene. 266 pages. Size, 6x8 inches. Price, \$3.00, postpaid.

"Everything for the Poultryman"

Consult the Manager of Our Poultry Supply Department.

When we started our Poultry Department our aim was to be the largest and best known in the South, and we are rapidly reaching our goal. This is an indication that we have pleased our customers.

Look over this section of our catalogue, no matter how few chickens you keep; you will find something that will be a labor-saver and a profit-maker.

If you cannot find what you want in this catalogue, we have it at the store, or can get it for you without a minute's unnecessary delay. Be sure to get a bottle of Fer-Sul, see page 61.

Prairie State Incubators and Brooders

35 Years at It Brings Success.

The development of Prairie State equipment to its present high degree of perfection was not due to chance, but to years of hard, diligent study and experience along scientific as well as practical lines. A great many people have entered into the manufacture of incubators and brooders with the crude idea that it did not require any special knowledge or experience to produce successful equipment. This accounts for so many impractical machines being foisted upon an unsuspecting public, and also for the prejudice which many people still have against incubators and brooders.

We all know it is no easy task to imitate nature, and especially is this true in the process of changing the outwardly inanimate nature of an egg into a living chick. Even the hen has her troubles, sometimes complete failure. Then, is it not reasonable to assume that to build a machine to do the work of nature it must be made on scientific principles and in a thorough workmanlike manner?

This accounts for the fact that Prairie State machines, representing as they do the highest development in mechanical devices for artificial incubation, built by skilled mechanics, cannot be sold on a par with the numerous cheap low-priced affairs. And, if the prospective buyer could see the Prairie State product side by side with the low-priced machines, no question would remain as to which is the better value.

Prairie State Incubators Are Built to
"Hatch Chicks That Live."

Real merit always stands out, and it is this quality which has given to Prairie State incubators and brooders the reputation they have long enjoyed of being the best in the world. Ask any poultry expert—any poultryman who makes poultry-raising his life work—the man who knows, and he will tell you that the Prairie State heads them all.

No. 0 Standard Series Sand Tray Incubator. Price, crated, \$40.00 f. o. b. Washington. Capacity—100 hen eggs. Dimensions—Top, 25 by 30½ inches. Total height—38 inches. Weight, crated—About 135 pounds. Weight, net—About 87 pounds. Equipment—1 galvanized hardware cloth egg tray, 1 thermometer, tested and mounted; 1 egg tester, 2 non-roll slats, 1 removable burlap mat, extra wicks, one-piece seamless lamp, galvanized sand tray, operating directions, everything complete, ready to run, except eggs and oil.

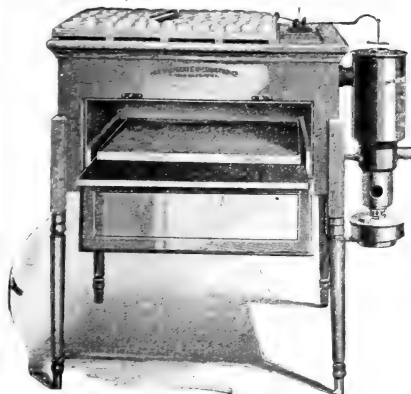
No. 1 Standard Series Sand Tray Incubator. Price, crated, \$50.00. Capacity—150 hen eggs, 115 duck eggs. Dimensions—Top, 29 by 34 inches, 17 inches deep. Total height—39½ inches. Weight, crated—About 160 pounds. Weight, net—About 108 pounds. Equipment—1 galvanized hardware cloth egg tray, 1 thermometer, tested and mounted; 1 egg tester, 2 non-roll slats, 1 removable burlap mat, extra wicks, one-piece seamless lamp, galvanized sand tray, operating directions, everything complete, ready to run, except eggs and oil.

No. 2 Standard Series Sand Tray Incubator. Price, crated, \$70.00. Capacity—240 hen eggs, 200 duck eggs. Dimensions—Top, 38 by 40½ inches; 20½ inches deep. Total height—42 inches. Weight, crated—About 240

pounds. Weight, net—About 175 pounds. Equipment—2 galvanized hardware cloth egg trays, 2 thermometers, mounted and tested; 1 egg tester, 4 non-roll slats, 2 removable burlap mats, extra wicks, one-piece seamless lamp, 2 galvanized sand trays, operating directions, everything complete, ready to run, except eggs and oil.

No. 3 Standard Series Sand Tray Incubator. Price, rated, \$90.00. Capacity—300 hen eggs, 300 duck eggs. Dimensions—Top, 48 by 45½ inches; 20½ inches deep. Total height—42 inches. Weight, crated—About 275 pounds. Weight, net—About 220 pounds. Equipment—2 galvanized hardware cloth egg trays, 2 thermometers, mounted and tested; 1 egg tester, 4 non-roll slats, 2 removable burlap mats, extra wicks, one-piece seamless lamp, 2 galvanized sand trays, operating directions, everything complete, ready to run, except eggs and oil.

Cypress Case. The outer case is of cypress, known as the wood everlasting. The particular wood employed in constructing an incubator case has no bearing upon the hatching qualities of the machine. We have selected cypress at a considerable cost to our-



selves over other woods because it is the most durable under all possible atmospheric or climatic conditions, and because it takes so well the beautiful natural-wood finish characteristic of Prairie State Incubators.

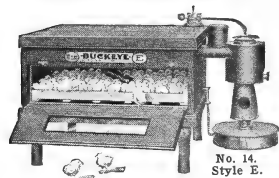
The inner case, or egg-chamber, is constructed of thoroughly seasoned soft wood, such as pine or poplar, all joints being tongued and grooved.

No sheet steel enters into the Prairie State case. A satisfactory sheet-steel case might be made, but if properly constructed, would necessitate a much higher price.

Nor do we resort to inferior substitutes, such as pasteboard, burlap, oil cloth or combination board. Such materials cannot last under the varying conditions of incubator use.

Buckeye Incubators

Are Guaranteed to Hatch MORE Chicks and
BETTER Chicks Than Any Other Incubator.



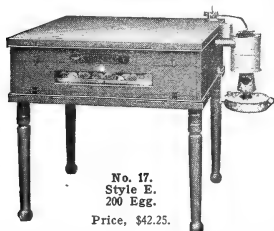
No. 14,
Style E.

Weight, crated for shipment, 55 lbs.
Capacity, 60 eggs. Price, \$18.50.

No. 14 is especially adapted for use by the small raiser. It has all the important features of the larger machines, such as visible thermometer, and the Buckeye heating and ventilating system. The temperature is easily regulated and the consumption of oil is low.

No. 16, Style E. Capacity 110 eggs; weight, crated for shipment, 85 lbs. Price, \$31.00. This machine is the same as No. 14, except that it has a greater egg capacity and long legs instead of short ones.

No. 17, Style E. Capacity 200 eggs. Weight, crated for shipment, 125 lbs. Price, \$42.25. Same as No. 16, except that it has greater egg capacity.



No. 17,
Style E.
200 Egg.

Price, \$42.25.

All Style E incubators have single walls and are equipped with galvanized rust-resisting heaters.

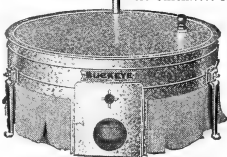
WHY THE BUCKEYE SUCCEEDS. The unprecedented success which has followed the Buckeye for twenty-five years is primarily due to the invention of the Buckeye hot-water system. Without this wonderful system of hot-water heating, that perfect balance between the temperature, moisture and ventilation, which is so necessary to successful incubation, would be a physical impossibility. The ability to heat the egg chamber without cooking all the moisture out of the air is not only responsible for the abundant supply of natural moisture, but at the same time the soft radiated heat from the hot-water tank provides an absolutely uniform temperature, and permits the perfect ventilation of the egg chamber at the same time.

Without this system of hot-water heating it would be necessary to heat the egg chamber with currents of hot air, and it is now an established fact that the temperature and ventilation of incubator cannot be successfully balanced where hot air currents are used.

Too much emphasis cannot be attached to the importance of keeping impure gases and fumes out of an incubator. Instead of passing the hot air fumes through the incubator, with a likelihood of leakage in the conductor at any time, we heat the hot water on the outside—send it circulating around the egg chamber—and keep all the fumes from the lamp on the outside. It takes but a very small portion of lamp fumes to kill the developing chicks, and by circulating hot water through the egg chamber instead of hot air, we entirely eliminate all possibility of damage to eggs.

Buckeye
Portable
Brooder.

Prices:
60-Chick.....\$13.50
100-Chick.....17.00
150-Chick.....21.50



The Standard Colony Brooder

The Standard Colony Brooder will successfully brood 100 chicks or 1,000. It is the simplest, safest and most economical brooder on the market. It cuts the cost of labor in half and reduces cost of operation. A poultryman can now handle 1,000 chicks without about the same amount of work that he formerly took to raise 100.

Burns Any Kind of Fuel. The Standard Colony will burn any kind of fuel—hard or soft coal, coke, charcoal, briquettes, or gas. It is self-regulating. You simply have to adjust the regulator at the beginning of the brooding season, and then forget about it. It is self-feeding. You fill the stove once a day and then no further attention is required, as the fuel automatically feeds the fire until it is entirely burned out. It is guaranteed to burn more than 24 hours in any kind of weather.

Standard Colony Brooder
Capacity 1,000 Chicks

Self-Feeding
Self-Regulating
No. 18.....\$25.50
No. 19.....31.50



Hatching Eggs and Baby Chicks in Season.

Can Be Operated Anywhere. No room is too large or too small for a Standard Colony Brooder. It can be operated in any room that is large enough to accommodate the hoyer and give room to move around. Can be handled with equal success in the largest barn or in the smallest colony house.

Absolutely Fire-Proof. It is guaranteed to be fire-proof, and will not increase the cost of insurance. It is just as safe as any stove that burns coal or gas and cannot by any possibility set anything on fire.

Guarantee. The Standard Colony Brooder is guaranteed to do everything that any brooder on the market will do—and do it better—no matter what the other dealers say. \$25.50 to \$31.50.

We are exclusive agents in Washington for the famous Buckeye Incubators and Brooders. Years of experience in the poultry supply business has convinced us that these are the most efficient hatchers on the market. Buckeye Incubators are sold under an iron-clad Guarantee to hatch a chick from every hatchable egg. This is the guarantee the makers give with every machine.



No. 1,
Standard
100 Egg.

Price, \$43.50.

No. 1 Standard has a capacity of 100 hen eggs or 280 duck eggs. Equipped with oil every detail and is ready for immediate use. The weight, crated for shipment, is 100 lbs. This incubator is insurable and bears the Underwriters' label. An improved feature of all Standard incubators is the enclosed lamp. Equipped with oil or gas heater.

No. 2 Standard has a capacity of 175 hen eggs or 140 duck eggs, is equipped with oil or gas heater, and is complete and ready for use. Weight, crated for shipment, 135 lbs. This machine is insurable and bears the Underwriters' label. Price, \$51.50.

No. 3 Standard has a capacity of 250 hen eggs or 200 duck eggs, is equipped with oil or gas heater and is complete and ready for use. Weight, crated for shipment, 200 lbs. This machine is insurable and bears the Underwriters' label. Price, \$65.00.



No. 3,
Standard
250 Egg.

Price, \$65.00.

No. 4 Standard has a capacity of 350 hen eggs or 280 duck eggs. Equipped with oil or gas heater and is ready for use. Weight crated for shipment, 230 lbs. Insurable and bears Underwriters' label. This machine is very convenient for the commercial raiser. Price, \$77.50.

No. 5 Standard (Mammoth Standard). Capacity 600 hen eggs or 480 duck eggs. Outside dimensions 54" square, 36" high. Equipped with four egg trays, holding 150 eggs each. Double doors on front and back; oil or gas heater. Complete and ready for use. Bears Underwriters' label. Weight, crated for shipment, 325 lbs. Price, \$120.00.



Standard No. 5,
600 Egg.

Price, \$120.00.

RELIABLE INCUBATOR

Our Little Baby Grand Incubator

50 Egg Capacity. All Metal.



Packed in cartons. 20 lbs. \$9.00

Shipped by Express or Parcel Post.

If by mail, add postage.



Collins Oat Sprouter

Sprouted oats are positively the best and cheapest green food. This Oat Sprouter will supply green food for 150 hens.

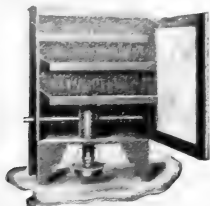
It is no longer necessary for the manufacturer of an Oat Sprouter to urge the feeding of sprouted oats, because sprouted oats are recognized as the only practical, sensible and effective way of furnishing poultry the green feed they must have if they are to lay prolifically during the winter.

Made of galvanized iron and will last for years. Price, \$3.00 and \$4.00.

By Express or Parcel Post.

If by mail, add postage.

Reliable Grain and Oat Sprouter



Sprouted oats will make hens lay. The Reliable Sprouter will sprout oats in three days. They have galvanized iron panels, large glass doors so light can enter.

Price

3 Tray. For 50 chickens.....	\$12.10
6 Tray. For 100 chickens.....	18.50
12 Tray. For 200 chickens.....	29.70

Reliable Standard Incubator



Machine	Size	Kind	Price
50A	100 Egg	Hot Water	\$29.70
52	140 Egg	Hot Water	39.00
54	240 Egg	Hot Water	54.00
56	350 Egg	Hot Water	66.00

The Reliable Blue Flame Wickless, Oil Heated Colony Hover



The Modern Hover.

This hover has the same chick capacity as the coal burning brooder. They are made in three sizes, 30 inch, 42 inch and 52 inch hover. A few of the special points on this oil-heated hover are as follows:

- Burns Coal Oil.
- Steady Blue Flame.
- Comfortable and Easy to Operate.
- Economy of Operation.
- No Wick to Trim.
- Abundance of Heat.
- No Oil Fumes.
- Visible Oil Feed.
- Convenient and Safe.
- No Coal, Smoke or Gas.

The Flow of Oil Is Regulated Automatically.

30 in. will hover 250 chicks or less.

42 in. will hover 500 chicks or less.

52 in. will hover 1000 chicks or less.

No.	Size Hover	Weight	Price
00	18 inch	....	\$10.00
0	30 inch	40	18.15
1	42 inch	45	20.35
2	52 inch	55	24.20

BABY CHICKS IN SEASON.



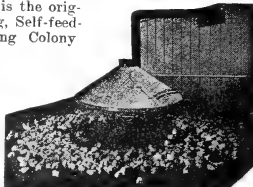
Carbola is a white paint in powder form combined with a disinfectant many times stronger than pure carbolic acid. It is non-poisonous and non-caustic. It kills lice, mites, fly eggs, etc., and helps prevent the start and spread of contagious diseases that affect man, beast and fowl. Carbola is two things in one—a paint that disinfects or a disinfectant that paints. It dries a clear snow white. It saves labor, time and money. It paints and disinfects at one operation in the same time and with the same labor required to paint or disinfect only.

Carbola is recommended for use instead of whitewash in every place where whitewash ordinarily is used, and it is recommended for use instead of whitewash and disinfectants in stables, kennels, poultry houses, rabbit hutches, barns, creameries, hog pens, dairy buildings.

It is recommended for use as a disinfectant wherever one is needed and where the added light that comes from a whitened wall—which walls increase the light from 25 per cent to 50 per cent—is an advantage. Trial pkg., 30 cts.; 10 lbs., \$1.25; 50 lbs., \$5.00.

Newtown Colony Brooder

The Newtown is the original Coal-burning, Self-feeding, Self-regulating Colony Brooder—the machine which actually revolutionized poultry raising—which has been imitated but never equalled. It has established itself on thousands of poultry plants as the most important factor in the successful raising of chicks.



The One Perfect Brooder. It has thoroughly demonstrated its right to be called "The One Perfect Brooder," and is justly claimed to be superior to any Colony Brooder on the market. Through years of practical tests and use under all conditions it has been brought to a point of perfection in the details of construction. The Newtown is not an experiment—it has made good. The purchaser of this time-tested Brooder runs no risk; he knows it will give satisfaction. More Newtowns are in successful operation than all other makes of coal-burning Colony Brooders combined. Made in three sizes.

No. 6.....\$22.50 No. 7.....\$27.50 No. 11.....\$35.00

The Newtown Giant Incubator is recognized by all leading chicken growers as the best for big work. They are so much in demand that orders have to be taken at least 40 days ahead of delivery time. Capacity, 1,200 to 2,400. Prices on application.

BABY CHICKS BY MAIL
THROUGHOUT THE SPRING SEASON
Write for Prices.

Home Hatcher



No. 1—Price \$23.70.

Capacity:

135 hen eggs.

105 duck eggs.

No. 2—Price \$36.50.

Capacity:

250 hen eggs.

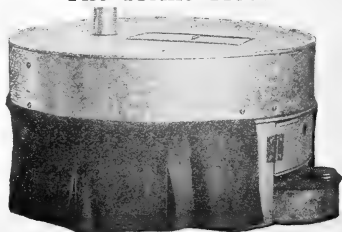
200 duck eggs.

The outer wall of the Home Hatcher is cypress—the wood everlasting. Between the inner and outer wall, special provisions in the way of insulation have again been made so that the consumption of oil might be still further cut. There has been left sufficient space for "dead" air as to justify the consideration of the high quality of this insulation, which Government authorities assure us is the second best insulating medium known if used in sufficient quantity. The great trouble with other machines using similar insulation is the thinness of the case which leaves so little space as to make the "dead air" ineffective. The material used in the heating system is pure copper throughout. Copper is used because it has a higher resistance to corrosion or rusting than any other material that would be practical for the purpose. This is the most vulnerable point of a hot-water incubator and it is absolutely necessary that the boiler and tubes be not only made of the right material, but that the material is heavy enough to prevent the acid accruing in water to rot through and cause a leak.

On account of the heat of the lamp coming in actual contact with it the boiler is particularly abused. To compensate for this the boiler of the Home Hatcher is made of 50 per cent heavier copper than that used in other incubators heated in a similar manner.

A deep nursery chamber is provided in every Home Hatcher. After a hatch is completed the chicks can be transferred to the nursery and the egg trays and filth resulting from the hatch removed from the machine. The chicks may be kept in the nursery for from twenty-four to seventy-two hours, when they should be placed in a warm, comfortable hover or brooder.

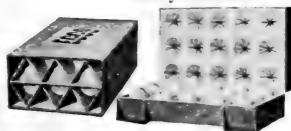
The Home Hover



50-chick\$7.00

Parcel Post Egg Boxes

Heavy cardboard.



Most practical way of shipping eggs.

Boxes holding
1 doz.....25c
2 doz.....40c
3 doz.....50c
4 doz.....60c

Wire Nests

These nests are made of heavy coppered wire, fully braced, and will hold their shape longer than other nests on the market. Price, 35 cts.

Feed and Water Cups

Made of galvanized iron to be hung on coops. 1-pint, 25 cts.; 1-quart, 30 cts.



Dry Mash Hopper

Will not waste the feed. Cannot clog, being wider at bottom than top. Curved bottom throws last bit of feed to front. Three sizes.

No. 1. 9 inches.....\$1.65
No. 2. 15 inches.....2.00
No. 3. 24 inches.....2.50
No. 4. 36 inches.....3.25

O. K. Exerciser Feeder



The O. K. Exerciser Feeder is one of our leaders, as it is exceptional value for the price. The hopper (holding 12 quarts) is made of No. 28 galvanized steel, and is reinforced with a double thickness around the top. The ball is heavy galvanized rod so that the weight of the grain does not spring it out of shape.

The pendulum rod and grain distributors have the accurate adjustment with two brass nuts, and the convenient separable construction, which are patented features of our Economy Exerciser.

The O. K. Exerciser is perfectly weather-proof; and will compare favorably with any exerciser ever sold at less than two dollars.

Capacity, 12 quarts. Price, \$2.00.

The Peerless Fountain



The Peerless is the all-right fount. The water is always pure; it is protected from dirt and filth. The fowls cannot injure their combs while drinking; easy to fill and easy to clean.

1 quart.....\$.40
Broder size, 5 qts. 1.0
10 quarts.....1.25



PEERLESS FOUNTAIN HEATERS, \$2.00

Incubator and Brooder Thermometers

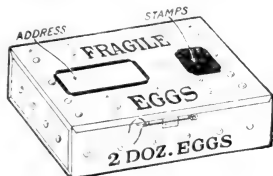
Incubator Thermometers.....\$.75
Wire stand for same......15
Brooder Thermometers......75
Hygrometers.....3.00

Aluminized Metal Egg Crates

Solve the problem of shipping eggs, butter and other farm products by Parcel Post. They are made for continued use, being strongly constructed, but light in weight.

All crates are provided with built-in shock absorbers to give a cushion for the eggs. Fillers to hold the eggs are made for a long life.

Met-I Egg Crates do not require outside wrapping for mailing. A short string only is needed for tying "pin" which holds lid securely closed.



18 eggs.....\$.85
Two-dozen size—all eggs.....1.00
Three-dozen size—all eggs.....1.25
Four-dozen size—all eggs.....1.50



A commercial disinfectant and antiseptic that is non-poisonous, odorless and at the same time a tonic is a novelty. For these reasons, if for no others, FER-SUL merits your investigation. FER-SUL kills most bacteria and germs when brought in contact with them and neutralizes most putrescent odors; it also destroys certain weaker forms of vermin.

As FER-SUL has no odor it cannot injure dairy products with its smell.

For a general cleaning up of unsanitary conditions or the removing of ordinary barnyard odors, a liberal spraying of a 5% solution (1 pint of "FER-SUL" to 20 pints of water) will effect the desired result. If the conditions are offensive or if disease has broken out among horses, cattle or swine, use, at first, a 10% solution (1 pint of "FER-SUL" to 10 pints of water), and repeat daily with 5% solution.

FER-SUL, being a liquid, is adapted, naturally, for spraying or sprinkling. It should be used regularly and liberally in the dairy and on poultry farms, and in all barns, stables, pigstys, coops, cesspools, privies, or, in fact, wherever contagion is likely to lurk. When used as directed, no fear need be felt from the after-effects.

FER-SUL has two very marked properties: One, that of a germicide, and the other a tonic. One active in killing disease, the other in restoring health. Detailed instructions for its use in the specific troubles or maladies we have investigated, can be obtained by postal request. Price, 12 ozs., 75 cts.; quart, \$1.25; gallon, \$3.00.



Pratt's Horse and Cattle Remedies

Animal Regulator.....30c and 60c
Horse and Cattle Condition Powder,
30c and 60c
Healing Ointment, box.....30c
Healing Powder, box.....30c

Pratt's Food and Remedies

Poultry Regulator.....15c, 30c, 60c
Poultry Regulator.....12-lb. bag, \$1.35
Powdered Lice Killer.....30c and 60c
Head Lice Ointment.....10c and 25c
Liquid Lice Killer.....qt. 50c; ½ gal. 85c
gallon, \$1.50



Whiting's Roupene

A positive preventive and cure for roup, canker, diphtheria, chicken pox, gapes, colds and all diseases of the respiratory organs in fowl and pigeons.

When roup symptoms are first discovered a dose or two of Roupene will kill all trace of the disease. Price, per bottle, 50 cts.

Whiting's W. D. Remedy

Will absolutely destroy the White Diarrhoea germ. It will cure the trouble and stop spread of disease. Price, per bottle, 50 cts.



Germozone

A little Germozone in the drinking water will positively cure and prevent bowel trouble of any kind, except that which is caused by lice, improper food, etc. The cause must be removed if a permanent cure is to be expected. Price, per box, 75 cts.



Weak-Nee Well

Weak-Nee Well is a life saver for little chicks, as it will positively cure leg weakness. Has never

been known to fail. Is used in the feed, so there is no trouble to give it. Boxes, 30 cts.

Leg Bands

CHAMPION LEG BAND



Champion Leg Bands, adjustable. 12 for 20 cts.; 25 for 35 cts.; 50 for 50 cts.; 100 for 85 cts.

Celluloid Leg Bands

Made in sizes to fit all breeds, even chicks and pigeons. Eight colors—black, white, blue, dark blue, cherry, red, amber and green. When ordering state breed and color wanted. 12 for 20 cts.; 25 for 35 cts.; 50 for 50 cts.; 100 for 85 cts.

Moe's Round Baby Chick Feeder

The Most Convenient and Commodious Feeder on the Market for the Price.

A great feed saver, as the little chicks cannot get into it and contaminate the feed. Can also be used



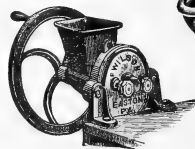
for water. This is a practical, well-made feeding device that will last for years. Made of the best grade of galvanized iron. Small size, 25 cts.; large size, 40 cts.

Moe's Star Jar Fountain and Feeder

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar. Convenient, cheap and sanitary. One size only. Price, 15 cts.



Dry Bone and Shell Mills



Dry Bone Mill.

Made for grinding dry bones, shells, grain and many other substances for poultry. Can also be furnished with iron legs if desired. Price, complete (as shown in cut), \$6.50; with iron legs, \$9.25.

The Crown Green Bone Cutter

Mounted on iron legs, \$24.00; not mounted, \$21.00. They surpass all others in easy and rapid cutting. They feed automatically and leave both hands free to operate; the feed regulates the power required so that it cannot run hard. The feed screw is large and has a coarse thread that will not wear out nor crush down nor break. The gears are guarded so that they cannot clog. The cylinder has been enlarged so they can take in a good size bone. They have adjustable steel knives; they are strongly built, and will not break or wear out.



Green Bone Mill.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE—ADD POSTAGE IF BY MAIL.

The Star Poultry and Live Stock Remedies and Poultry Foods

FOR POULTRY.

Star-Egg-O is highly recommended for Laying Fowls and Growing Chickens. 1 lb. pkg., 25 cts. (by mail, 30 cts.); 2½ lb. pkg., 50 cts. (by mail, 60 cts.); 6 lb. pkg. \$1.00 (by mail, \$1.20); 10 lb. pail, \$1.50; 20 lb. pail, \$2.45. Pails by parcels post or express extra.

Star Tone is a medicine for all kinds of ailing fowls, turkeys, ducks and geese. Price, 25 cts. package.

Stareola is the Star Disinfectant and Deodorant. ¼ pint, 25 cts. (by mail, 30 cts.); 1 pint, 35 cts. (by mail, 40 cts.); 1 quart, 60 cts. (by mail, 70 cts.); ½ gal., 90 cts. (by mail, \$1.05); 1 gal., \$1.50 (by mail, \$1.65).

The Star Roup Powder is a preventive and cure for Roup, Colds and Canker in poultry and pigeons. 25 cts. package postpaid; 50 cts. package, by mail, 55 cts.

The Blue Star Powder is for fowl cholera, and is a preventive cure for this fatal disease. 25 cts. package postpaid; 50 cts. package, by mail 55 cts.

The Star Gape Powder is the remedy for the Gapes of the chick. 25 cts. package postpaid; 50 cts. package, by mail 55 cts.

The Star White Diarrhea Tablet is for the White Diarrhea in chicks. 50 cts. package postpaid.

The Star Blackhead Powder will prove a boon to the turkey raiser and by its use and proper care the turkey business should be successful. 25 cts. package postpaid; 50 cts. package, by mail 55 cts.

The Star Sealy Leg Ointment will cure the Sealy Leg. 25 cts. package, by mail 30 cts.

The Star Lice Powder is essential to the poultry raiser. 10 cts. package, by mail 15 cts.; 25 cts. package, by mail 35 cts.

The Star Lice Ointment is a convenient, safe and sure way of ridding fowls and chicks of head lice. 25 cts. package, by mail 30 cts.

The Star Chicken Pox Treatment will cure the Pox, Sore Head and Warts on all kinds of poultry. 25 cts. package, by mail 30 cts.; 50 cts. package, by mail 55 cts.

Star - Calf - A

The Perfect Baby Calf Food—A Scientific, Well-Balanced Ration for Producing Growth in Young Calves.

Star-Calf-A is a scientifically prepared Meal for young Calves, that contains only those ingredients capable of producing growth whether fed alone or in conjunction with other foods. The former substance is important because it serves as fuel for the body and supplies nitrogenous tissue-building material. Star-Calf-A is a body builder for the Baby Calf, and it cannot be too highly recommended to breeders as a whole or partial food for their calves. The profit comes from feeding Star-Calf-A with skimmed milk, and there is no wisdom when feeding calves whole milk containing 30 per cent butter fat, when you can raise just as good or better calves with Star-Calf-A and skimmed milk. 25-lb. bag, \$1.60; 50-lb. bag, \$3.00; 100-lb. bag, \$5.50. Express or freight extra.



Conkey's Chicken Remedies

Conkey's Healing Salve.....	30c
Conkey's Lice Powder.....	30c and 60c
Conkey's Limber Neck Remedy.....	60c
Conkey's Roup Remedy.....	30c and 60c
Conkey's Gape Cure.....	30c and 60c
Conkey's Lice Killer.....	1 qt., 60c
Conkey's Lice Killer.....	2 qts., 1.50
Conkey's Lice Liquid.....	gal., \$1.50
Conkey's Poultry Tonic.....	30c and 60c
Conkey's Laying Tonic.....	30c
Conkey's Cholera Cure.....	30c and 60c
Conkey's Chicken-Pox Remedy.....	50c
Conkey's Sealey Leg Remedy.....	50c



STAR-CHIC-A

A Specially Prepared Baby Chick Food, to Be Used Exclusively as a Starting Food for Young Chicks.

The chick's first start in life is what counts, and the food of the young chick may well be considered the first requisite for success. Feeding young chicks has many sides for discussion, but there is only one answer after all, and that is

to give them the food that will make them grow flesh bones and feathers. Star-Chic-A is a complete food for the chick from the time of hatching until it is ready to take care of itself. Water, grit and charcoal is all that are needed when Star-Chic-A is used as a food. Price, 1-lb. pkg., 10 cts. (by mail, 15 cts.); 5-lb. pkg., 40 cts. (by mail, 60 cts.). In bags, 12½ lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$3.00; 100 lbs., \$5.75. Postage extra.





Good Luck Scratch Feed

STANDARD HEN FOOD

For every day in the year. Made from a variety of sound, sweet grains and seeds (including wheat, corn, barley, kaffir, milo maize, sunflower seeds, etc.), properly balanced to keep hens in perfect physical and laying condition. Thoroughly cleaned so that there is no waste, no burnt or smutty grain, NO GRIT OR SHELLS. Write for prices.



Good Luck Baby Chick Feed

SAVES LITTLE CHICKS

Composed of choice grains and seeds—carefully selected—perfectly granulated to precisely the right degree for the youngsters, and screened clean of all fine stuff. This makes a perfectly balanced ration for healthy, hearty and rapid chick development, as well as digestive results. Avoid feeding meal or mash foods or table scraps to young chickens. In using Bolgiano's Baby Chick Feed according to directions, you will never lose a chick from feeding cause. NO GRIT. Write for prices.



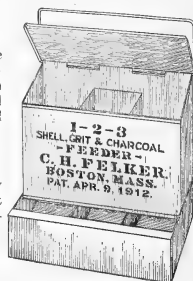
Cracked Bone For Poultry

This article is manufactured from fresh, clean bones, and is perfectly pure and sweet. No chemicals whatever are applied to them in the course of manufacture. Should be fed to the poultry daily, like grain or any other feed. An excellent bone and egg producer, keeping the fowls strong on their legs and largely increasing their laying qualities. Especially valuable for young and growing chicks. 5 lbs., 30 cts.; 10 lbs., 50 cts.; 100-lb. sack, \$4.25.

1-2-3 Poultry Feeder

1-2-3 Feeder is used for dry mash, scraps, shells, grit, charcoal or any poultry feed. When used for one kind of feed only, take out separator; two kinds, put separator in one end. When used for three kinds—say scraps, shells and grit—put separator in middle and you have three separate feeders.

No. 1, small size, \$1.00 No. 2, large size, \$1.50



Red Chief Grinding
Mill, \$5.50.

Alfalfa Meal

This is a green feed all the year round. Everyone knows that alfalfa is fast supplanting clover. It is very high in protein, and furnishes the chicks a growing food which, at the same time, has a medicinal value. Its value as a helpful egg food is unquestioned. 6 lbs., 25 cts.; 50 lbs., \$1.65; per 100-lb. sack, \$3.25.

Short Cut Alfalfa Clover

No mash is complete without it. Aside from food value, it has high medicinal properties. 95 per cent pure clover. 6 lbs., 25 cts.; 10 lbs., 35 cts.; 100 lbs., \$3.25.

Charcoal

Aids digestion and promotes health of chicks to a wonderful extent. No poultryman can afford to be without it. Specially prepared and guaranteed pure. Grade "3X," medium chick size, and grade "4X," coarse granulated. 2 lbs., 15 cts.; 5 lbs. 30 cts.; 10 lbs., 50 cts.; 50 lbs., \$2.00.

Good Luck Meat Meal

Our sales amount to something over 50 tons per year. Why is this? We contend that we give more real value in our Meat Meal than any other firm. It makes chickens lay—it keeps them active and healthy. 1 lb., 10 cts.; 10 lbs., 60 cts.; 100 lbs., \$5.00.

Mica Spar Crystal Grit

One of the sharpest and hardest grits known 10 lbs., 20 cts.; 100 lbs., \$1.25.

Poultry Mash Feed

A combination of ground grain, alfalfa meal, meat meal and everything necessary for producing a large egg yield. Mix with hot water and it is ready to serve. 10 lbs., 50 cts.; 100 lbs., \$4.25.

Crushed Oyster Shells

Important as an eggshell maker and promoter of health. Our shell is clean and free from waste. No. 3 for chicks, No. 2 for adults. 10 lbs., 20 cts.; 100 lbs., \$1.25.

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Red
Chief
Corn
Sheller,
\$3.00.

BABY CHICKS BY MAIL



The elimination of doubt in incubating eggs has been such a boon to poultry raisers that the baby chick business, at first a subject of ridicule, has become one of the largest departments of the poultry business.

Our trade in baby chicks has increased with such rapidity that it is almost impossible to tell with absolute certainty what proportions our sales will be the coming season. Nevertheless, we know that the safest plan for our friends to follow is not to wait until late in the season or until a few days before you wish the chicks, but to order early and be sure of getting your order in good time.

Be sure when writing us that your full name and postoffice is very plainly given. State plainly the number and variety of chicks you want, when wanted, and we will acknowledge receipt of your order at once, and tell you about when the chicks will be shipped.

Cash must be sent with your order, for we cannot ship C. O. D., by express or parcel post.

We guarantee to deliver 97 per cent of the Baby Chicks to reach you in good condition.

EXAMINE THE SHIPMENTS

On arrival open box, if any chicks are dead have postman mark number on the back of the receipt and return the receipt to us, and we will refund your money for them or replace them free of charge. In this way you have no loss and get full number you pay for. We have successfully shipped baby chicks 1,000 miles and can guarantee safe arrival.

All claims must be made within twenty-four hours, together with a statement from your postmaster, showing the chicks were received in poor condition.

Have the brooder warmed up and ready to receive and care for the chicks properly.

Don't give baby chicks cold water to drink. Don't overfeed chicks. Either of the above will start bowel-troubles. Feed liberally, so long as they keep active. Keep their backs warm.

SINGLE COMB WHITE LEGHORNS

The ever-increasing demand for Leghorn eggs in the New York market has led observing poultrymen and farmers to look to the Leghorn hen for highly profitable results.

"America's Business Hen" has proven a winner, and today there are hundreds of large and small commercial Leghorn farms successfully operated in New York, New Jersey, Maryland and right through to the South and far Western coast.

SINGLE COMB BROWN LEGHORNS

That the modern Single Comb Brown Leghorn is the most beautiful variety in color and markings of the Leghorn family is generally admitted.

Like many of the "Parti-Colored" varieties, they are hard to breed true to color. For years the so-called "Double Mating" system has been followed in order to produce specimens of standard color.

Many breeders of Brown Leghorns consider their egg-producing quality of very great importance. They lay a well-shaped white egg, weighing from 24 to 26 ounces to the dozen.

BARRED PLYMOUTH ROCKS

The Barred Plymouth Rock is most widely known as a general purpose fowl, a breed which has proven its value as a market fowl and an egg producer. They are extremely and well adapted as a profitable and popular farm flock.

In selecting our specimens for the breeding pens we avoid selecting females that are extra large in size, because experience has taught us that they neither make very good layers nor good breeders. We are not convinced as yet that it is best to select phenomenal layers for our breeding pens. We breed for constitutional vigor, thereby maintaining the greatest vitality of the flock to attain as high an egg production as is consistent with retained vitality.

RHODE ISLAND REDS

As a "business hen" for eggs and meat they are hard to beat. They lay a well-shaped, good-sized brown egg, and mostly uniform in shape, size and color.

The matured feathering of the Rhode Island Red is not as yet uniform in coloring. This is being improved each year, to the great credit of hundreds of our best breeders of America.

We can also supply other varieties you may wish, and will gladly answer your inquiries with lists and prices.

Write for Special Prices Before the Season Opens



Insect Destroyers and Insecticides

Prices on All Insecticides Change Without Notice. Poisons Cannot Be Sent by Mail.

Paris Green. $\frac{1}{4}$ lb., 20 cts.; $\frac{1}{2}$ lb. 35 cts.; 1 lb., 60 cts.; 2 lbs., \$1.20.

Tuber Tonic. Unexcelled for potatoes. Lb. 40 cts.; 5 lbs. \$2.00.

Hammond's Slug Shot. 5 lbs., 50 cts.

Lima and Sulphur (B. T. S. Dry Powder). This preparation is scientifically prepared and is widely recommended, and known as the best preparation for San Jose Scale, Oyster Shell Scale, etc. Price: Lb., 35 cts.; 5 lbs., \$1.20; 10 lbs., \$2.15; 25 lbs., \$4.35; 50 lbs., \$8.50; 100 lbs., \$15.00; 300 lbs., \$40.00. Get price on large quantities.

Atomic Sulphur. This is pure sulphur treated by a special process to convert it into a very finely divided state in the form of paste, so it can be readily diluted with

water and applied as a spray to coat fruit and foliage with a thin film of sulphur to prevent germination of fungous spores. It is recommended for the control of scab on peaches, brown rot on peaches, plums and cherries and cedar rust on apples. Directions. 5 to 7 lbs. to 50 gallons of water. 1-lb. pkg., 30 cts.; 5-lb. pkg., \$1.15; 10-lb. pkg., \$2.00; 25-lb. pkg., \$4.00; 50-lb. pkg., \$7.25; 100-lb. pkg., \$13.00.

Tobacco Dust. Fatal to green and black fly and similar garden pests, by simply dusting over the plants. If dug around the roots will keep away all pests below ground and insure health to the plants. 10 cts. per lb.; \$5.00 per 100 lbs.

Arsenate of Lead (Dry Powdered). Is produced under a new process. Contains at least 33 per cent. arsenic. Superior to paste arsenate, stands suspension longer, and has more covering capacity. 1 lb., 55 cts.; 5 lbs., \$2.40; 10 lbs., \$4.25; 25 lbs. \$10.00; 50 lbs. \$19.00; 100 lbs. \$37.00.

Bordeaux Mixture (Dry Powdered). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb., 50 cts.; 5 lbs., \$2.00; 10 lbs., \$3.75; 25 lbs., \$9.00.

Bordeaux-Arsenate of Lead Mixture (Dry Powdered). A combined Fungicide and Insecticide. For Apple and Pear Trees, Potatoes, Melons and Cucumbers; also splendid for roses. Keeping them free of mildew, black spot and insects of all sorts. 1 lb., 55 cts.; 5 lbs., \$2.35; 10 lbs., \$4.40; 25 lbs., \$10.00; 50 lbs., \$19.00.

Pyrox-An Insecticide and Fungicide. Apple growers swear by this; potato growers make larger crops by its use. It does not wash off as do other poisons. It guards against all chewing insects and prevents rots and blights. Price: 1 lb., 45 cts.; 5 lbs., \$1.90; 10 lbs., \$3.25; 25 lbs., \$6.75; 50 lbs., \$11.75; 100 lbs., \$21.00.

Whale Oil Soap. Dissolved in water makes an excellent spray for scale on palms, etc. $\frac{1}{4}$ lb., 10 cts.; $\frac{1}{2}$ -lb. pkg., 15 cts.; 1-lb. pkg., 25 cts.; 5 lbs., \$1.00; 10 lbs., \$1.50.

Grafting Wax. Used for grafting trees and other plants. $\frac{1}{4}$ lb., 15 cts.; $\frac{1}{2}$ lb., 20 cts.; 1 lb., 30 cts.

Flour and Flowers of Sulphur. Per lb., 10 cts.; 10 lbs., 60 cts.; 25 lbs., \$1.25; 100 lbs., \$4.00.

"Black Leaf 40"

Nicotine Sulphate-40% Nicotine.

This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphis (plant lice), Thrips, Leaf-hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

It may be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles.

You cannot go wrong by ordering "Black Leaf 40" for sucking insects.

Prices:

1 oz., \$0.25—5 gallons spray.
 $\frac{1}{2}$ lb., 1.00—40 to 120 gallons.
 2 lb., 3.25—160 to 500 gallons.
 10 lbs., 13.75—800 to 250 gallons.



Lemon Oil Destroys all insects on the leaves and roots of plants without injury to flower or foliage, leaving no foreign odor. This will be found a capital wash for dogs; it relieves mange, destroys lice and all insects. Half pint, 30 cts.; pint, 60 cts.; quart, \$1.00.

Cut Worm Killer. One of the necessities of the market and home garden. Cut Worms do so much damage each year that it amounts to more than a million dollars. 1-lb. Sprinkler Top boxes, 25 cts.; 5-lb. Tin Cans, containing Sprinkler Top box, \$1.00 each; 25-lb. Drums, containing Sprinkler Top box, \$4.00.

Rat Killer. If we could but realize the destruction caused by rats and mice in each year, it would amount to such an enormous amount that we would at once begin to kill these pests. Millions of dollars would not cover it. Now with the paste we offer you can rid your place of both of these vermin. Box, 25 cts.

Use So-Bos-So—and milk in comfort—the stuff that keeps off the fly and mosquito. Few things there are that do as much to relieve the farm animals as this. It saves feed, help cows to produce more milk and at the same time saves the nerves of the milkers. We recommend this preparation highly. Price: 1 qt., 65 cts.; 1 gal., \$1.40.



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Water Barrel Trucks

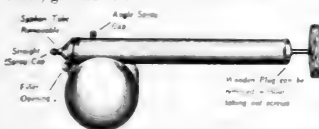
Our barrel-cart which can be attached to any of our barrel spray pumps and may be found useful in various ways, such as watering gardens, spraying trees, etc.

Water Truck
as used with
barrel.

Water Truck, with
1½ Tire \$15.00
Water Truck, with
2½ Tire \$16.00
Barrel extra 4.50

Spray Pumps

"Pomona" Spray Pump. With Agitator. All Working Parts Bronze. No leather packing. Valves are brass; easily accessible; wing guided on leveled seats, ground to fit. Air chamber steel. Lever long and powerful, with adjustable



stroke, 3, 4 or 5-inch. Solid brass plunger, machine-turned, fitting gland accurately. Pump is held securely by adjustable clamp plate, made to fit either end or side of barrel, and by a small anchor located at bottom of barrel. The mechanical agitator is operated by stroke of the handle. Directions sent with each pump.

lines as our famous "Pomona." It is, however, lighter and of smaller capacity. All working parts, including plunger, gland, valves, valve seats and strainer, are of bronze. Regularly fitted with wing agitator, similar to one used on "Pomona," and which has proven to be the best type. Pump is held in barrel by anchor at bottom and adjustable clamp at top, fitting over end of stave. Not made for side of barrel.



Pomona Spray Pumps, complete with hose, barrel and nozzles....\$35.00

Fruitall Spray Pumps, complete with hose, barrel and nozzles.... 26 00

If wanted without barrel take off from the above prices 5.00

The Auto Spray. Eight to ten strokes of the plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray for nine minutes. The "Auto Pop" is an automatic valve which is closed by the air pressure used to operate the "Auto Spray." In operation a lever is moved by simply closing the hand, thus opening the valve and allowing an instantaneous discharge of spray. Price, galvanized iron reservoir, \$6.50; with Auto Pop, \$7.00; solid brass reservoir, \$9.25; with Auto Pop, \$9.75. Extension rods, 2-foot lengths, 75 cts.

Tin Sprayers. Every one who raises chickens knows how important it is to keep out vermin. Use a spray and the work is done. The illustration is of a spray that will do the work well and cheap. Price, 65 cts.

Brass Automatic Sprayers. 1-qt., galvanized iron, \$1.15; 1-qt., brass, \$1.35; 2 qts., \$1.75.



Brass-Lined Bamboo Extension Rods, without cocks. Price, 8 ft., \$4.25; 10 ft., \$5.25.

We carry a large assortment of repair parts for Spray Pumps and Attachments.

The Mistry Jr. Spray Nozzle. Price, 90 cts.; shut-off cock, \$1.65.

Tree Tanglefoot. For protecting trees against climbing insect pests in a simple, economical and effective way. Tree Tanglefoot, a sticky substance applied directly to the bark of the tree. One application remains sticky on the trees for 3 months fully exposed to weather. Easily applied with a small wooden paddle. One pound will spread 8 feet long by 5 inches wide, 1-16 inch thick. 1-lb. can, 50 cts.; 5-lb. can, \$2.40; 10-lb. can, \$4.50; 20-lbs., \$8.75; 25 lbs., \$10.50.

Mole Traps

The Mole causes great loss and annoyance to the growers and market gardeners. One Mole can cause the loss of an entire seed bed in a few hours. One Mole Tray will catch and destroy them. We guarantee them to work satisfactorily. Price, 75 cts. each.

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Brass
Bucket
Pump

ment,
Etc.,
with
8 Feet
¾-Inch
Dis-
charge
Hose
and
Seneca
Spray
Nozzle.

Price, \$6.00.

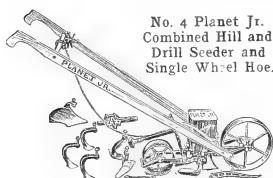




Planet Jr. Garden Tools



The name "PLANET JR." has become synonymous with labor saving among gardeners and farmers everywhere, and they instinctively want the implement that bears this trade-mark. The times demand the maximum of production, and gardeners and farmers are on the alert for aid to get the biggest return from the soil for the least expenditure of time and effort.



No. 4 Planet Jr. Combined Hill and Drill Seeder and Single Wheel Hoe.

No. 4 Combined Hill and Drill Seeder and Single Wheel Hoe. Price, \$23.
No. 4D Hill and Drill Seeder only. Price, \$18.25.

No. 25 Combined Hill and Drill Seeder, Single and Double Wheel Hoe. Price \$26.00.

No. 3 Hill and Drill Seeder only. Capacity 3 qts. Price, \$21.50.

No. 5 Hill and Drill Seeder only. Capacity 5 qts. Price, \$24.50.

No. 31 Combined Drill Seeder and Single Wheel Hoe. Price, \$15.00.

No. 31D, as a Seeder only. \$12.00.

No. 33 Single Wheel Hoe (No. 31 as a Wheel Hoe only). Price, \$7.50.

No. 11 Double Wheel Hoe, 2 pr. Hoes, 4 Cultivator Teeth, 1 pr. Plows, 2 pr. Rakes, 1 Leaf Lifter. Price, \$18.50.

No. 12 Double Wheel Hoe, as illustrated. Price, \$15.00.

No. 13 Double Wheel Hoe, has 1 pr. Hoes only. Price, \$10.50.

No. 16 Single Wheel Hoe, 1 pr. Hoes, 3 Cultivator Teeth, 1 Plow, 2 Rakes, 1 Leaf Lifter. Price, \$12.25.

No. 17 Single Wheel Hoe, as illustrated. Price, \$10.25.

No. 17½ Single Wheel Hoe, 1 pr. Hoes, 3 Cultivator Teeth, 1 Leaf Lifter. Price, \$8.65.

No. 18 Single Wheel Hoe, has 1 pr. Hoes only. Price, \$7.00.

No. 19 Garden Plow and Cultivator. Price, \$7.00.

No. 8 Horse Hoe and Cultivator with Lever Expander, Lever Wheel and Depth Regulator. Price, \$24.50.

No. 9 Horse Hoe and Cultivator with Lever Expander and Plain Wheel. Price, \$21.00.

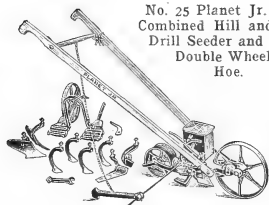
No. 90 Twelve Tooth Harrow, as illustrated. Price, \$24.50.

No. 90B Twelve-Tooth Harrow without Pulverizer. Price, \$20.75.

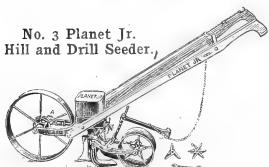
Fire-Fly Hand Plow. A useful tool. Will make a furrow 4 to 6 in. wide and 1 to 3 in. deep. Splendid tool for the kitchen garden. Price, \$4.50.



The Planet Jr. Seed Drill in Operation.



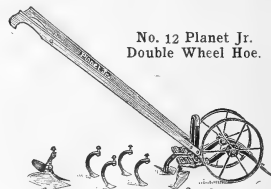
No. 25 Planet Jr. Combined Hill and Drill Seeder and Double Wheel Hoe.



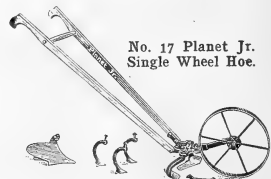
No. 3 Planet Jr. Hill and Drill Seeder.



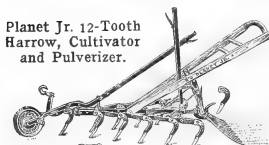
No. 31 Planet Jr. Combined Drill Seeder and Single Wheel Hoe.



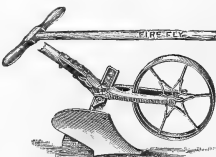
No. 12 Planet Jr. Double Wheel Hoe.



No. 17 Planet Jr. Single Wheel Hoe.



Planet Jr. 12-Tooth Harrow, Cultivator and Pulverizer.



Planet Jr. Fire-Fly Hand Plow

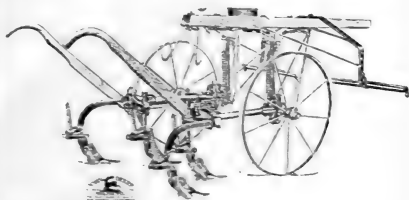


No. 8 Planet Jr. Combined Horse Hoe and Cultivator.

The New Planet Jr. Catalog, illustrating a Complete List of Tools, Mailed On Application

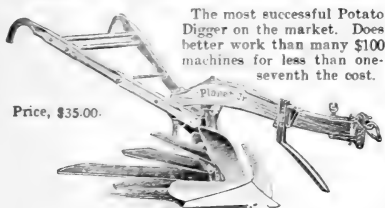
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The New Deere Balance Tongue Walking Cultivator



Pipe beam, parallel, 4 shovels, spring trip, and spring lifting device. The tongue is perfectly balanced on the wheels with no support at front or rear. The lifting-spring device is the simplest and the most satisfactory spring that has ever been attached to a walking cultivator. Price, \$47.00.

Planet Jr. White Potato Digger



The most successful Potato Digger on the market. Does better work than many \$100 machines for less than one-seventh the cost.

Price, \$35.00.

Barrows



No. 2.—Syracuse Steel Tray Canal.....\$9 75
No. 75a.—Syracuse Steel Tray Motor.....11 00

Syracuse Steel Drag Scraper

Contractors' Supplies

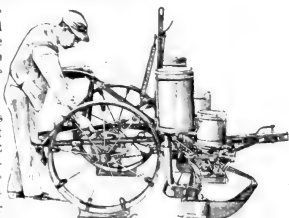


No. 1.—Cap, about 7 cu. ft. of earth, 98 lbs.....\$17 00
No. 2.—Cap, about 5 cu. ft. of earth, 90 lbs..... 16 00
No. 3.—Cap, about 3 cu. ft. of earth, intended for use of single horse, 85 lbs. \$15.75.

John Deere Double Row Corn Planter

John Deere Planters fitted with adjustable drop plates when so ordered. Write for prices.

Our special new feature in this planter is that we not only get an accurate number of kernels in each hill, but we get the number of kernels in each hill which the quality of the soil is able to bring to perfect maturity.



Imp'd Robbins Potato Planter

Price, with Fertilizer Attachment,

The only 100% Potato Planter. Four styles of furrow opening plows are made—you can have your choice—

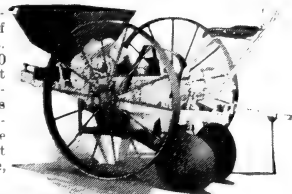
in each case the soil is left loose on each side of the furrow—no packing. The four styles are: Shield Opening Plow, Single Disc Opening Plow, Double Disc Opening Plow, Wing Shield Opening Plow.

Larger Size Fertilizer Distributor.

It will hold a 167-pound sack of fertilizer—you don't have to stop and fill so often, and in most cases you can finish your long rows and not have to fill up in middle of the row.

Hoover Planter With Fertilizer Drill

This is a one-man planter of exceptional merit. It will plant 100 per cent correct and save the extra man. It has been and is being used in Maine by the largest growers. Price,



Hoover Elevator Potato Digger

Few farm implements save as much time and labor as a satisfactory Potato Digger. In the HOOVER we have the best and lightest draft.



PRICES ON ABOVE IMPLEMENTS
Sent on Request

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Wiard Road or Contractors' Plows

No. 65.—Medium; weight, 200 lbs.



The cut illustrates the No. 65 Plow, which is very substantial, and is heavy enough for ordinary road or contractor's work when used with 2 or 4 horses.

A Cast Iron Point, made from the best quality of charcoal iron, very strong and heavy.

Price, with Wheel or Shoe.....\$38.00

Price, without Wheel or Shoe..... 34.50

Extra for Forged Steel Point..... 7.50

Wiard Pavement or Rooter Plow

No. 67.—Four or Six Horse; weight, with clevis, 250 lbs. This Plow has great strength and is adapted to contractors' work and for tearing up cobblestone or McAdam pavements.

The Beam is made of charcoal cast iron, very strong and heavy. The tendency to wear off the lower front end of the Beam in this class of Plows is entirely overcome by a separate shoe casting attached to the beams at this point, which can be replaced at slight expense when worn.

The handles are made of steel, strongly braced, being a new departure, as heretofore handles for this style of Plow have been made of wood and were easily broken. Price, \$54.00.

Syracuse Contractors' Plow



Hard iron wearing parts. Extra heavy beam, share and strip. Steel wheel frame. Loop handle wear irons. Will turn a furrow 5 to 9 inches deep and 12 to 15 inches wide. An excellent Plow for general grading purposes. No. 1, Contractors' Two or Four-Horse, weight, with wheel. 205 lbs. Price, \$36.00.

No. 99.—Syracuse Four to Eight Horse Contractors' Plow; weight with shoe, 310 lbs. This plow is equipped with a steel truss beam, steel moldboard and landslide, separate shin piece. Heavy overlaid wrought steel share. adjustable shoe in place of wheel. Loop handle wear irons; very strongly built. Price \$50.00.

No. 10-1878.—Three Horse; furrow, 6 to 9½ ins. deep, 14 to 16 ins. wide. Price, \$29.25.

No. 1-1878.—Large Two Horse Plow; furrow, 5 to 8 ins. deep, 12 to 15 ins. wide. Price, \$25.00.

No. 2-1878.—Medium Two Horse Plow; furrows, 5 to 7½ ins. deep, 10 to 13 ins. wide. Price, \$23.75.

No. 3-1878.—Light Two Horse Plow; furrow, 4 to 6 ins. deep, 9 to 12 ins. wide. Price, \$22.50.

No. 7.—Medium Two Horse; furrow, 5 to 7 ins. deep, 10 to 13 ins. wide. Price, \$24.00.

The South Bend Chilled Plow

Standard Through the World.

High Mold-Board prevents clogging and cleans furrows in loosest land.



	Steel Beam.	Wood Beam.
No. 63.—One Horse Plow.....	\$12 50	\$10 75
No. B1.—One Horse Plow	13 25	11 75
No. 2.—Light Two Horse	16 50	15 00
No. 2½.—Light Two Horse	19 50	18 00
No. 3.—Medium Two Horse	21 50	20 00
No. 4.—Regular Two Horse	25 00	25 00
No. 10.—Large Two Horse	26 25	26 25
No. 151.—Three Horse Cast Beam.....		27 00

Oliver Pattern Plow

Right and Left-Hand. Full line of One, Two and Three Horse Plows.

	Steel Beam.	Wood Beam.
No. A.—One Horse Oliver Pattern.....		\$10 00
No. B.—One Horse Oliver Pattern.....		10 75
No. 10.—One Horse Oliver Pattern.....		14 25
No. 13.—One Horse Oliver Pattern.....		18 50
No. 19.—Two Horse Oliver Pattern....	\$19 50	19 00
No. 20.—Two Horse Oliver Pattern.....	22 00	21 00
No. 40.—Three Horse Oliver Pattern....	23 00	21 50

Wiard Chilled Plows



Steel-Beam Plow. Wiard No. 72.

The Wiard Plow has been made without lapse since 1804, and hence the Wiard Plow Works have the prestige of being the oldest continuous manufactory of Plows in America, and, so far as known, the oldest on the globe.

No. 62.—One Horse Wood Beam.....	\$10 00
No. 13.—One Horse Wood Beam.....	13 75
No. 10.—One Horse Wood Beam.....	17 00
No. 19.—Light Two Horse Wood Beam.....	22 50
No. 16.—Medium Two Horse Wood Beam.....	24 50
No. 73.—Light Two Horse Steel Beam.....	20 00
No. 72.—Medium Two Horse Steel Beam.....	23 75
No. 91.—Three Horse Steel Beam.....	25 00

We carry Repairs for all leading makes of Mowers.

Adriance Buckeye Mowers



Our system of gearing has been used by us since 1857. Bevel and spur gear is employed in accordance with the most scientific mechanical usage to secure the greatest durability and the best results with the least expenditure of power. Roller Bearings.

4 ft. 6 in. cut	\$83 00—2 horse
5 ft. cut	85 00—2 horse

Moline Mower No. 5 (VERTICAL LIFT)

While this Mower gives complete satisfaction on even and unobstructed fields, it is especially designed for use in cutting on rough, uneven fields, where there are stumps, stones, or even trees. 3 ft. 6 in. cut, \$80. 4½ ft. cut\$85.00 5 ft. cut \$86.00

Milwaukee Mowers

For years this mower has stood at the head of the list for general work. We cannot say too much for it. Light draft, reliability of work, fewness of repairs, evenness of cut. All combine to make this mower a leader. Catalogues free. Price. \$75 to \$78.

"Malta" Single and Double Shovel Plows— Iron Beam

Has 1¼ x ¾ inch beam



Double Shovel Plow, \$6.00. Single Shovel Plow, \$5.25.

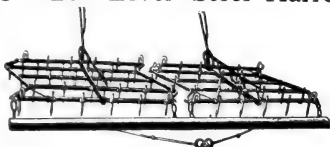
Bolgio's Improved Three-Row Marker



Has three chilled shoes, or runners, with steel wings, bolted on, and may be easily replaced when worn. The frame is made of seasoned oak. The runners may be changed by loosening two bolts, to mark furrows 28 to 48 inches apart.

Price, with pole for two horses, \$25.00.

"U" Bar Lever Steel Harrow



So Arranged the Teeth Cannot Track.

This Harrow has a frame of steel, bars of "U" shaped steel well braced and securely fastened at each end to the frame. This gives the Harrow a double advantage, strength and rigidity, and a guard against catching into trees and stumps. The teeth can be set to any pitch or cut desired.

Price, 25-tooth, \$13 00. 50-tooth, \$26.00.

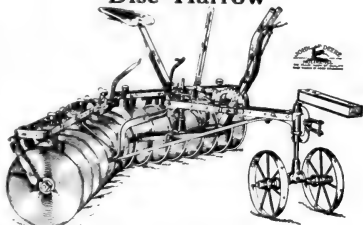
Wood Frame Scotch Harrows

These Harrows are made in three sizes.

25-tooth, one horse	\$12.50
40-tooth, two horse	20 75

The one-horse sizes are in one section and equipped with steel runners, which enable one to transport the Harrow from one field to the other without tearing up the grass. The 40-inch is made in two sections, and can be folded.

Disc Harrow



The time is long past when a farmer or market gardener can do without a Disc Harrow. When your ground is weedy and lumpy, then is the time when you need and want a Disc Harrow. Our Disc Harrows are strong, yet not too heavy; easy on horse and man; saves labor—that means saves money; does the work better than it is possible to do it with a plow or any other harrow. Eight 16-in. disc, \$52.00; 10 16-in. disc, \$65.00; 12 16-in. disc, \$70.00.

The above prices include Truck, but without Tongue. If Tongue is wanted instead of Truck, deduct \$10.00.

Syracuse Spring Tooth Harrows

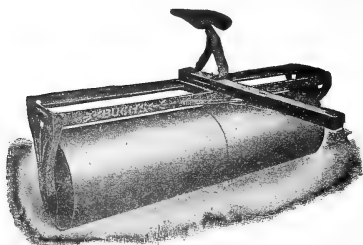
Add for Reversible Points, \$3.00.



15-Tooth Syracuse	\$30 00
17-Tooth Syracuse	32 00

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Land Roller



This is the most popular Land Roller on the market. This implement was thoroughly tested, and its construction was so perfect that it was a success from the start.

Frames and Hangers. Heavy, stiff angles are used on the sides and ends, to which the steel hangers are securely bolted, and the frame is so arranged that it will carry sufficient weight to suit the requirements. Price, \$51.00.

Water Ballast Roller

To increase the weight, add water. To decrease the weight, draw out water.

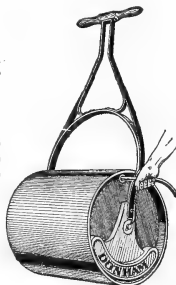
Prices:

602	\$16 00
602 B	18 00
603	20 00
603 B	22 00

Coldwell's Suburban Lawn Mower

BALL BEARING

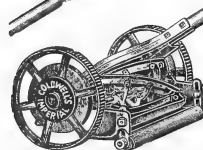
This lawn mower is made to meet the demand for a first-class ball-bearing machine which can be purchased at a price within the reach of all. It is made throughout of best grade material, and the workmanship is unsurpassed. The driving wheels are 8 inches in diameter and the revolving cutter has four blades, which insure fineness and evenness of cut.



12-inch	\$10 00
14-inch	10 50
16-inch	11 00

Coldwell's Regal Mower

There has been a demand for a five-knife Lawn Mower, one that will leave the lawn perfectly smooth and even. In this machine we have one.



14-inch....\$22 50	16-inch....\$23 50	18-inch....\$25 00
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Lawn Rollers

Too much importance cannot be placed in the use of ROLLERS ON LAWNS. In the spring, after the winter has spewed up the grass and made the lawn uneven, by rolling you press the roots again into the soil and give them a better chance to take hold and prevent the grass from dying out in spots. The Golf Clubs the world over use a roller on their greens from early spring to late in the fall.



No.	Diam.		Length.		Weight.	
	Ins.	Ins.	Sec's.	Lbs.	Price.	
LR501.....	15	16	2	150	\$15 00	
LR502.....	15	24	3	200	17 50	
LR504.....	20	20	2	250	20 00	
LR507.....	20	24	2	300	23 50	

Coldwell's Imperial

Easiest Running Lawn Mower Made.

THE IMPERIAL is one of our best Mowers, the principal feature being that the knife is securely bolted to the sides, thus insuring a perfectly rigid frame. The knives are adjusted by means of our patent hanger, and a locking screw holds them securely in place. This hanger is so constructed that all wear can be taken up in the bearings. The triple pawl ratchet is the simplest and most durable on the market.

Prices—High Wheel, 4 Blade.

14-inch.....	\$18 75	18-inch.....	\$21 50
16-inch.....	20 00	20-inch.....	23 00

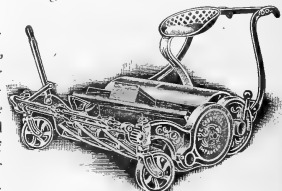
The Cadet Lawn Mower

This is a good Lawn Mower to sell at a medium low price, and give the purchaser full value for his money. The gears are fine cut, and it is in every respect what is needed at the present time, viz., a mower that will do good service and at a cost but little higher than the poor trash that is put out so freely. 10-inch. \$7.00; 12-inch, \$7.75; 14-inch, \$8.25; 16-inch, \$8.75.

Coldwell's Imp'd Horse Mowers

Fitted up throughout with the best of steel shaftings, composition bushings or bearings, polished oak foot boards. Loring Coe's Knives, etc., and the workmanship is acknowledged by the trade in general to be the best of any lawn mower made in America.

30 in., Complete, Seat and Shafts (4 blades)....\$125 00
35 in., Complete, Seat and Shafts (4 blades).... 150 00
40 in., Complete, Seat and Shafts (4 blades).... 165 00
HORSE BOOTS. Per set of four, \$20.00 and \$25.00.



ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Bolgio's No. 28 Double Team Harness



Made Extra Heavy for Contractors and Heavy Work. This Harness is fitted with No. 21 Brass Ball Hames. 2-inch Trace with three rows stitching, $5\frac{1}{2}$ ft. long with 2 ft. N. Y. Heel Chain, either solid, or D breeching loop in center; Breeching $2\frac{3}{4}$ ft., folded with $1\frac{1}{2}$ -in. lay. Belly and Back Band. Points doubled and stitched.

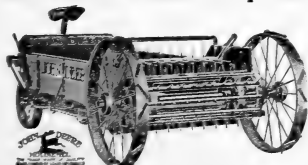
We have made a specialty of handling a nice line of Harness, that we know will give satisfaction to our trade. Our prices, for quality, we know are right. There can be no doubt that from us you can get more

We carry a full line of **Cart Harness**

Extra heavy Cart Breeching.....	\$18.25
Extra heavy Cart Saddles.....	12 00
Cart Bridles, extra heavy.....	3 50
One-inch Cart Reins.....	4 50
Heavy Cart Hames, pair.....	3 00



John Deere Manure Spreader



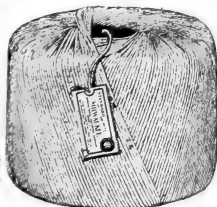
Size A, capacity 35 bushels.....	\$225 00
Size B, capacity 50 bushels.....	228 00
Size B, capacity 50 bushels, 3-horse hitch.....	234 00
Size C, capacity 70 bushels.....	236 00

for your money than from any other dealer in Harness. Why? Because we do not handle Harness as a main line: if we make a few cents off a set we are satisfied. We buy in large lots, direct from the factory, where we get the best goods at lowest prices. Give us a chance. You will be pleased. Prices:

Single Wagon Harness.....	\$35.00 to \$50.00
Double Wagon Harness.....	50.00 to 80.00

Milwaukee Binder Twine

It is well understood that good binder twine is essential to successful binding. The harvest season lasts only a few days and delays nearly always result in more or less loss. Binder twine that kinks and breaks is not worth hauling home, because it is not only a source of annoyance while harvesting the grain, but it also delays the work of shocking. Uniform size and strength are the characteristic features of the Milwaukee binder twine. It will not kink and clog the knottor or pull thin and break. The different brands of Milwaukee twine are Sisal, Standard, Manila and Pure Manila. Price, 15 cts. per lb.



Farm and Contractors' Cart

With 5 and 6 inch tires; also extra heavy Contractors' Carts made specially to order when wanted. These carts are very strong, heavily ironed, nicely painted, striped and varnished.

Size of Axle.	Size of Tire.	Diameter of Wheel.	Price
$1\frac{1}{2}$ ins.	3 ins.	4 ft. 10 in.	\$85.00
$1\frac{1}{2}$ ins.	4 ins.	4 ft. 10 in.	90.00
2 ins.	3 ins.	4 ft. 10 in.	95.00
2 ins.	4 ins.	4 ft. 10 in.	105.00

Prices subject to change without notice.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Horse Collars



High-Grade Scotch Collars. We carry the largest line of Collars in this city, and can furnish any size from 16 to 24 inches.

Tick Lined Collars
\$6.00 to \$7.00

Sweeney Collars
\$6.50 to \$7.50

Red Edge
Collar Pads
90 cts.

All Brown
Collar Pads
\$1.00

Ask for price by
the dozen.

Stewart No. 1 Enclosed Type Clipping Machine

The Only Ball-Bearing
Clipping Machine.

It is without exception the most perfect clipping machine ever made. It runs practically without friction or wear. The price puts it within reach of every farmer and horse owner. The gearing is all enclosed in a dust and dirt proof case, and runs in oil constantly.

Price, complete for horses, \$14.00.



Hames

No. 280 Concord Hames, very heavily ironed, with hook or clip; brass ball top. Price, per pair, \$3.00.

No. 61. Virginia Cart Hames.

Rock elm or ash wood, 1/4-inch stiff-bottom loops. 3/4x1/4 inch steel backs. Three mortise top loops. Heavy wrought steel hooks. Varnished. Polished irons. Size, 19 to 22 inches. Price, \$2.65; 22 to 24, \$3.00 per pair.

No. 15 Brass Ball-top Hame.....\$2.50

Plow Harness

Plow Harness, complete, per set (less collar).....\$9 00

Trace Chains, per set.....\$1.60 to 2.00

Breast Chains, per set.....1.00 to 1.75

Butt Chains, per set.....1.75

Fly Nets

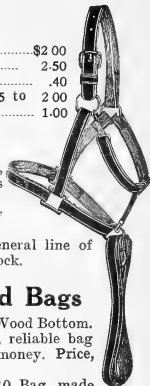
Yellow cord, extra heavy, 5 bars and 50 lashes...\$1.75



Steel Wagon Double Trees.....\$6.50
Implement Double Trees and yoke 3.75

Halters

Leather, 1 1/4 in., Russet.....\$2 00
Leather, 1 1/4 in., machine made.....2 50
Web Cotton......40
Leather Cow Halter.....\$1.25 to 2 00
Leather Ties.....1.00



Back Bands

Folded Duck, Elbel's patent hook, 46 and 48 inches long, 5 inches wide. Price, \$1.20.

Single Web Back Band, Plow Boy, 55 cts.

A full line of Whips and a general line of Harness Accessories always in stock.



Feed Bags

Star Wood Bottom. A good, reliable bag for the money. Price, 65 cts.

No. 10 Bag, made of 12-oz. duck, metal eyelets; very durable. Price, \$1.35.

No. 8 Special. This bag is especially well made of 12-oz. duck; has reinforced sides; leather ventilators and sole leather bottom. Price, \$1.30.

Special prices in dozen lots.

Horse Weights from 15 to 30 lbs., 8 cts. per lb.

Weight Straps, \$1.25.

Weight Chains, 50 cts.

Miller's Harness Dressing. Pt., 45 cts.; qt., 75 cts.

Miller's I. X. L. Harness Oil. Pt., 40 cts.; qt., 60 cts.; 1/2 gal., \$1.05; gal., \$1.75.

Miller's Harness Soap. 1 lb., 40 cts.; 5-lb. can, \$1.65; 10-lb. can, \$2.75.

Neatsfoot Oil. Gallon, \$1.35.

Hame Straps. 1 inch, machine made, 40 cts. each; \$4.00 per dozen.

Hame Straps. Hand made, 1 inch, 50 cts. each; \$5.50 per dozen.

Blankets

We recommend 5A Horse Blankets because of their strength, warmth, horse protection and their long wear. They are leaders. Prices from \$2.35 to \$7.00.

Storm Covers for Horses.....\$6.50

Storm Aprons for Wagons.....4.25

Stable Blankets.....4.00

Curry Combs......35

Horse Brushes.....\$.50 to 2.75

Stable Brooms.....1.25 to 1.50

Manure Stable Forks.....1.00 to 2.00

Plow Sets.

Wooden Plow Set, complete.....\$4.50
U Bar Steel Set, complete.....\$4.00

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE



Certainlead Roofing

1-Ply, \$2.60; 2-Ply, \$3.40; 3-Ply, \$4.00

We have in stock the finest prepared roofing offered by anyone. We are willing to guarantee that for length of service it cannot be surpassed by any roofing of its kind. With a couple of coats of prepared paint it will last a lifetime and will give perfect service during the whole period.

Tar Paper, 2 squares.....\$3.00

Dietz Lanterns

Dietz Victor Lantern.....	\$1.15
Dietz Victor Red Lantern.....	1.61
Dietz Dash Lantern.....	1.75
Dietz Regulation Lantern for Wagons.....	2.25
Dietz Storm King Lantern (can't blow out).....	\$1.75
Dietz Little Wizard (can't blow out).....	1.40



Hand and Power Corn Shellers

No. 3 Single Hole Sheller.....	\$18.00
No. 4 Single Hole Sheller.....	18.00
No. 7 Double Hole Sheller for hand or power.....	38.00

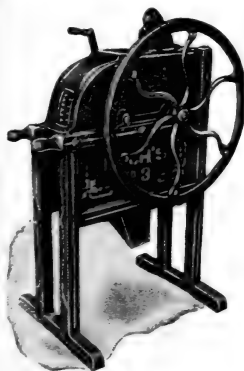
Cider Mills

Senior. This is our largest-sized Mill, adapted for hand or power, with a detachable handle on either side. The top set of rolls first mash the fruit fine, and the bottom set grinds it thoroughly, breaking all the cells, so that the cider is entirely extracted.

"Medium" Double Cage Hand Cider Mill. Similar to the Senior described above.

"Junior" Double Cage Hand Cider Mill. Built on same principle as Senior and Medium. Has one handle. This is the smallest Double Cage Mill we handle. A first-class mill for family use.

Write for prices.

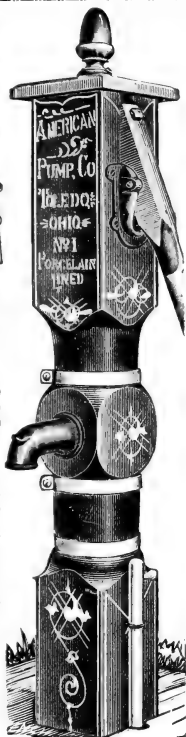


Pumps

Wood Pumps. We sell the Buckeye, which is conceded to be the best on the market. Made of cucumber wood, and not poplar, as many of the so-called cucumber-wood pumps are made. All Pumps porcelain lined.

Depth.	Size of Pump.	
	6x6 in.	7x7 in.
10 feet.....	\$13.90	\$16.15
12 feet ..	14.50	16.75
16 feet ..	15.70	17.95
18 feet ..	17.20	19.45
20 feet ..	17.80	20.00
23 feet ..		21.65
25 feet ..		22.95
28 feet ..		24.25
30 feet ..		27.00
33 feet ..		29.40

Depth.	Size of Pump.	
	7x7 in.	
35 feet.....		\$32.50
40 feet ..		36.50
45 feet ..		41.45
50 feet ..		44.40



Tubing and Miscellaneous Pump Parts

4x4 inches. 12 feet long and under. per foot, 30 cts.

4x4 inches. 12 feet long or over, per foot, 32 cts.

6x6 inches, extension tubing, per foot, 80 cts.

6x6 inches, coupling and bands for 4x4-inch tubing, 90 cts.

Buckets, 4-inch, each \$1.50.

Buckets, 3½-inch, each \$1.25.

Handles, any size, 50 cts.

Handle Links, each 50 cts.

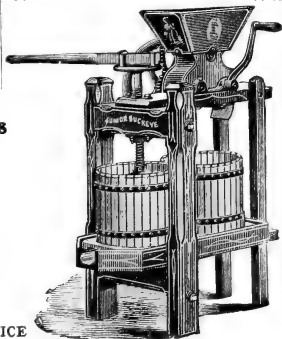
Check Valves, each 25 cts.

Iron Spouts, each 60 cts.

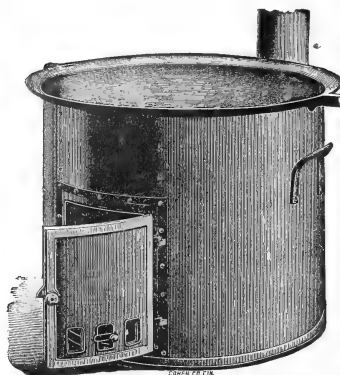
Splice Straps, per pair 50 cts.

Sucker Rod, per foot 8 cts.

Handle Brackets, set 50 cts.



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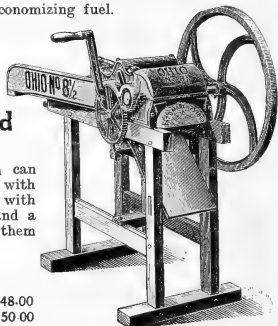
Boiler and Feed Cooker

Heavy cold-rolled steel furnace; extra large feed door, wrought-iron handles, firmly riveted on Kettles, smooth, heavy cast iron. Door, frame and flue collar cast iron. Never buckles or warps from heat; designed to set on ground or brick foundation; especially adapted for cooking feed, rendering lard, making soap, scalding hogs, poultry, etc. Cast-iron flues are constructed inside this, retaining heat and economizing fuel.

30-gal. capacity	\$20.00
33-gal. capacity	21.50
40-gal. capacity	23.00
48-gal. capacity	25.50
53-gal. capacity	27.25

"Ohio" Hand Feed Cutter

Capacities. One man can easily cut a bushel of hay with No. 8½ in 40 seconds, and with No. 10½ in 30 seconds, and a boy 12 years old can use them successfully.



Sizes and Prices.

No. 8½ K1—"Ohio" Hand Feed Cutter, with one 8½-inch knife; for hand use only; weight, 165 lbs.....	\$48.00
No. 8½ K2—Same machine, equipped with two knives.....	50.00
Pulley for Power on above cutters.....	2.50

Nobby Feed Cutter

Simple, durable, handsome, cheap. It has an 11-inch tempered curved knife, which can be adjusted to take up the wear, thus giving a perfect shear cut at all times. Price, \$8.00.

"Ohio" Light Draft Suction Blowers

	No. 60	No. 90
Capacity, tons per hour.....	\$275.00	\$295.00
H. P. required, gasoline.....	5 to 7	7 to 10
Length of Knives (two).....	6 to 8	8 to 10
Weight, lbs., unmounted.....	11-inch	13-inch
Weight, lbs., mounted.....	835	900
	1,210	1,260

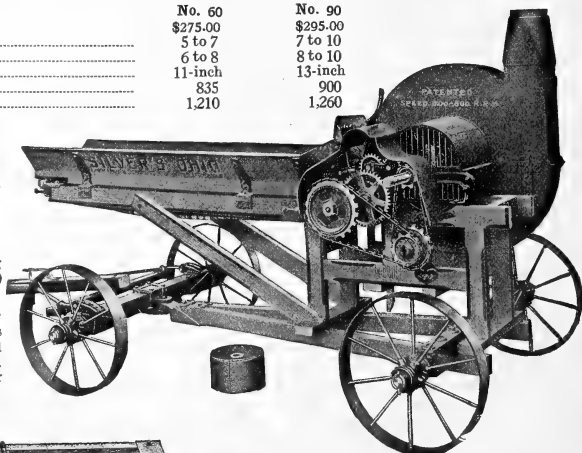
Speed recommended, 600 to 800 R.P.M.

Four lengths of cut, 7-16, 9-16, 1 and 1½ inches.

Pulley, covered, regular, 10-inch diameter x 6-inch face.

No. 805—Truck for mounting above machines; weight 360 lbs., \$67.00

7-inch Galvanized Blower Pipe, with Steel Flange Joints for Nos. 60 and 90. Furnished in 4, 5, 6 and 10 foot lengths. Weight, per foot, 3¼ lbs. Per foot, 90 cts.



Bolster Springs for Bed Wagons

1000 lbs. cap.....	\$ 9.00	3000 lbs. cap.....	\$16.75
1500 lbs. cap.....	10.00	3500 lbs. cap.....	18.50
2000 lbs. cap.....	13.50	4000 lbs. cap.....	19.50
2500 lbs. cap.....	14.50	5000 lbs. cap.....	22.00

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Hog and Cattle Steel Wire Fencing

726—26 in. High Hog Fence, 7 bars.....	60c per rod
832—32 in. High Hog Fence, 8 bars.....	70c per rod
845—45 in. High Cattle Fence, 8 bars.....	60c per rod
1047—Extra Heavy	95c per rod

Special prices on quantity.

American Steel Poultry Fence

1948—48 inches high.....	80c per rod
2053—53 inches high.....	85c per rod
2158—58 inches high.....	90c per rod

Square Mesh Poultry Fence

12 in. high, 2 in. mesh.....	\$1.00	per roll
18 in. high, 2 in. mesh.....	2.35	per roll
24 in. high, 2 in. mesh.....	2.90	per roll
36 in. high, 2 in. mesh.....	4.00	per roll
48 in. high, 2 in. mesh.....	5.35	per roll
60 in. high, 2 in. mesh.....	6.60	per roll
72 in. high, 2 in. mesh.....	8.00	per roll

Hog and Cattle Barb Wire at Lowest Market Prices.

Push Carts



Norcross Weeder

This tool, introduced about four years ago, has more than made good in every respect. It can so easily be changed from a 5-tooth to a 3-tooth weeder or cultivator for hand use. Price, 95 cts. and \$1.35. Midgett Norcross, 50 cts.




Rubber Hose

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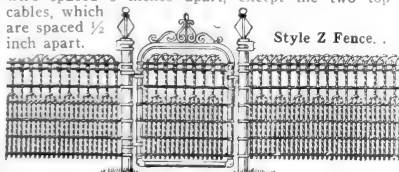
Fancy Lawn Fence

The fabric illustrated herewith is superior to any Lawn Fence on the market. The upright wires are corrugated their entire length instead of at intervals. Close enough at bottom to turn the smallest chicks.

The uprights are of No. 9 heavy galvanized wire, spaced 27/8 inches apart, with an extra upright of No. 9 interwoven at the bottom, giving a spacing of 13/8 inches. The cables are of heavily galvanized wire spaced 6 inches apart, except the two top cables, which are spaced 1/2 inch apart.



Style Z Fence.



	Style X.	Style Z.
16 in. high.....	10c ft.	.....
22 in. high.....	12c ft.	
36 in. high.....	14c ft.	18½c ft.
42 in. high.....	16c ft.	20½c ft.

LAWN GATES

	Plain	Fancy
3 ft. by 36 in.....	\$3.25	\$4.25
3 ft. by 42 in.....	3.50	4.35
3 ft. by 58 in.....	4.00	4.75
12 ft. by 42 in., drive gate.....	9.00	
12 ft. by 50 in., drive gate.....	10.00	
12 ft. by 58 in., drive gate.....	10.25	



Cahoon Seed Sower

Price. \$5.50

Fuller & Johnson Pumping Engine

No Well Too Deep For This Farm Pump Engine—Cannot Freeze or Overheat—
No Hours Too Long For It to Work.

At last we have found a pump engine that serves all the needs of the farmer and does it in the best possible manner. We investigated a score or more different makes and designs of portable engines to find the one best suited for our customers. We selected the Fuller & Johnson Farm Pump Engines. It is the most wonderful portable engine made.

400 to 1500 Gallons Per Hour.

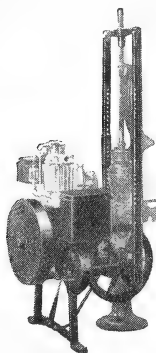
Think of it! All the fresh water you want at any time or any place. Works in any well, regardless of depth. This farm pump engine completely solves the perplexing problem of Water Supply for the farm in winter as well as summer. Pumps all the water needed for the house, dairy, barn, feed lot and pasture in a few hours. Costs less to operate than a tank heater and eliminates all bother and trouble.

Handiest Little Worker on the Farm.

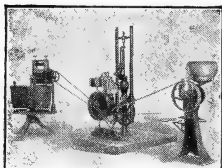
Ensuring a reliable water supply for the farm is but one of the ways the Farm Pump Engine proves its superiority. It has pulley for running any kind of hand or foot power machinery. It helps the women folks in the dairy and laundry. Runs the grindstone, feed mill, fanning mill, etc., for the men. Does the work of two extra hired men.



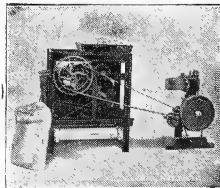
Driving a Grindstone.



Fuller & Johnson
Pumping Engine.
Price, \$110.00.



Driving Cream Separator and
Washing Machine.



Driving the Fanning Mill.

Wheel Barrows



No.	
1.	Buch's large size.....\$ 8.50
3.	Medium size.....7.00
8.	Wooden Tray, steel wheel.. 4.75
2.	Syracuse Barrow.....9.75
75a.	Syracuse Cold Steel.....11.00

De Laval Cream Separators

Over 1,600,000 De Laval Separators now in use. See and try a De Laval before buying a Separator.

Any Separator that wastes cream is expensive. A De Laval will not.

Prices of Cream Separators:

No. 5—	225 lbs. per hour.....	\$ 82.50
No. 10—	350 lbs. per hour.....	100.00
No. 12—	500 lbs. per hour.....	110.00
No. 15—	750 lbs. per hour.....	130.00
No. 17—	1000 lbs. per hour.....	145.00
No. 19—	750 lbs. per hour. Turbine..	160.00
No. 20—	1000 lbs. per hour. Turbine..	175.00
No. 22—	1350 lbs. per hour.....	225.00
No. 25—	1350 lbs. per hour. Turbine..	260.00

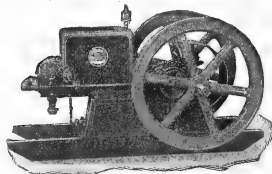


Fuller & Johnson Model "N" Gasoline Engines

Special Price on Model "K" Kerosene Engine on Application.

1. The simplest and most perfect System of Hopper Cooling.
2. Frost Proof.
3. Large straight-sided Hopper. Cylinder completely immersed in water as in our Double Efficiency line. No narrow water jacket spaces to clog up or freeze or break.

1½ H. P.....	\$ 80.00	5 H. P.....	\$205.00
3 H. P.....	140.00	7 H. P.....	295.00



Manila, Sisal and Cotton Rope

Always on hand, the best Manila, Sisal and Cotton Rope, in coils or by the piece, at prices consistent with quality. Prices on application.



Automobile Oil, 70 cts per gal. Gas Engine Oil, 70 cts. per gal.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Fertilizers

For the Farm, Lawn and Garden

During the entire history of the world there never was a time that food production was as essential as it is today. The world is on the verge of starvation. It is said that more than 1,000,000 people will die of starvation during the next twelve months—because there is not food enough to supply them. Now, increased production is necessary, and increased production can be accomplished only by planting and fertilizing. You must do your best. **GOOD FERTILIZERS ARE ABSOLUTELY ESSENTIAL.**

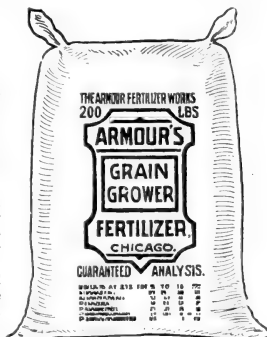
Ten Per Cent Trucker has given our trade the greatest satisfaction. It is principally used for very early crops, and has more than paid for itself in the advanced prices received for early vegetables. As a tobacco bed fertilizer it is excellent. Analysis: 10 per cent. Ammonia, 10 per cent Phosphoric Acid, 2 per cent Potash.

Seven Per Cent Trucker is all right, because every user says so, and one of the best evidences aside from this is that our sales show increase year by year. We recommend this Fertilizer to all who look forward to early and good crops. Analysis: 7 per cent Ammonia, 6 per cent Phosphoric Acid, 2 per cent Potash.

General 2-8-2. A Fertilizer for general uses, that's what its name implies. The demand has been large for just such a Fertilizer. We recommend this grade for most crops. Analysis: 2 per cent Ammonia, 8 per cent Phosphoric Acid, 2 per cent Potash.

Pure Raw Bone Meal. At the outset we say the bone you should buy and use is Armour's, because it is pure, finely ground and of first quality. There is no bone on the market today that will compare with it; and if you will give it a trial on your land, we confidently believe you will agree in what we say. Analysis: 4 to 5 per cent Ammonia, 24 per cent Phosphoric Acid, 48 per cent Bone Phosphate.

Fish and Bone. Last year we sold great quantities of these goods. They gave much satisfaction to our trade. Analysis: 2 per cent Ammonia, 10 per cent Phosphoric Acid.



Fine Ground Dried Fish. This Fertilizing material is largely used in mixing Fertilizers. It contains a large percentage of Ammonia, and is quick in action.

Fine Ground Dried Tankage. Is used largely as a base in all Animal Fertilizers, and gives quick and fine results. Contains large percentage of Ammonia and Phosphoric Acid.

Ammoniated Bone. This is used largely by the best Truckers for general crops. Analysis: 2 per cent Ammonia, 9 per cent Phosphoric Acid, 2 per cent Potash.

Alphano-Humus. Prepared humus or vegetable mould is a great soil regenerator and plant food. Rich in nitrogen, moisture retaining and odorless. Absolutely free from weed seeds. The very best material for top dressing lawns, and for indoor use in conservatories and in flower boxes and pots. Prices on application.

Fertilizing Chemicals

A great many first-class Gardeners and Farmers cal on their grounds and in building up their soils. feature of our business, and are prepared to furnish

Nitrate of Soda. For very early vegetables, and giving an early start to grass or grain, there is nothing equal to it.



South Carolina Rock is used for Phosphoric Acid that it contains. and is valuable in mixing with other goods.

Bon Arbor Fertilizer—Soluble Plant Life. Nitrogen, 16 to 18 per cent; Phosphoric Acid, 6 to 7 per cent; Potash, 4 to 5 per cent. For house, garden and greenhouse plants it has no equal as a stimulant and plant starter. Price,

¼ lb., 25 cts.; lb., 35 cts.; 5 lbs., \$1.50; 100 lbs., \$25.

NITRO-FERTILE



The Liquid Fertilizer.

Free from weed seeds, odorless, quick in action, easy

to apply; for house plants, lawns, shrubs, flower and vegetable gardens. Contains 2 per cent Nitrogen, 3 per cent Phosphoric Acid and 3 per cent

Potash. One quart mixed with water fertilizes 1500 square feet. One gallon is enough for the average lawn and garden for an entire season. Price, ¼ pint, 35 cts.; 1 pint, 60 cts.; quart, \$1.00; gallon, \$3.00.

Hydrate Lime Price 50-lb. bag, 75 cts.

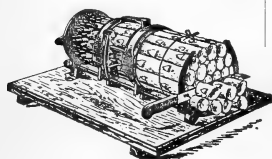
have come to see the advantage of the use of chemicals. We have for a number of years made this a special any of the leading sorts in any quantity.



Give Your Soil What It Needs to Make Things Grow.

Use a Fertilizer that combines natural humus and organic matter with natural plant food. One that actually makes available and useful a great amount of fertility lying dormant and inactive in the soil.

Wizard Brand Pulverized Sheep Manure and Shredded Cattle Manure is a particularly efficient material for making up the compost supply. It is used in this way by many florists who have limited space and who cannot mix their compost in the old way. It acts quickly, has a better effect on the soil, and is much more easily handled. Wizard Brand is just this kind of a fertilizer. It's all natural plant food and humus that makes better soil and better crops. No matter what you grow—fruit, vegetables and grains, or just flowers and grass about the home—Wizard Brand Sheep Manure "Makes Nature Hustle," and builds up your soil at the same time. Price, 15 lbs., 50 cts.; 30 lbs., \$1.00; 100 lbs. \$2.75; 1 ton, \$50.00.



Asparagus Buncher.
Price, \$3.25.



Iron and Steel Garden Rakes.

12-tooth, Malleable Iron Bent Tooth	.....\$ .45
12-tooth, Steel Rake	..... .85
14-tooth, Steel Rake	..... .95
14-tooth, Steel Bow	..... 1.20
16-tooth, Steel Bow	..... 1.25

Sneaths.

Patent	.....\$1.45
Rings	.....\$1.50

Scythe Stones.

Darby Creek	.....\$ .20
English Round	..... .30



Transplanting Trowels. Gardener's Transplanting Trowels.

Strong, Ladies'	.....\$ .20
Malleable Shank	..... .25
Forged Steel	..... .50
Heavy Forged	..... .75



Dibbles.

Bent Wood Handles, Steel Points	.....\$0.50
Sawed Wood Handles, Steel Points	..... .40
All Iron Handles, Steel Points60



Spades.

Marvel, "D" Handle\$1.75
Ames, "D" Handle 2.10

Spades, Long Handle.

Ames\$2.10
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Spading Forks.

Wood, "D" Handle\$1.85
Malleable, "D" Handle 2.25



Steel Hoes.

Sizes 6, 6½, 7, 7½, 8.

Solid shank	.....\$ .85
Solid socket	..... .90
Malleable iron socket, steel blade	..... .90
Planters' Hoe, heavy handle, suitable for stiff ground	..... 1.00



Brush Axes.

All guaranteed	.....\$2.00
Beatty	.....\$2.00



3½ ft. 1-Man X-Cut Saw	.....\$4.00
4 ft. 1-Man X-Cut Saw	..... 4.50
4½ ft. 2-Man X-Cut Saw	..... 3.00
5 ft. 2-Man X-Cut Saw	..... 3.50
5½ ft. 2-Man X-Cut Saw	..... 3.85
6 ft. 2-Man X-Cut Saw	..... 4.10



Scythes.

Waldron, 36 and 38 in\$2.75 to \$2.85
Kelly's Grass 1.85
Kelly's Bush, Assorted 1.85

Sickles.

Solid Back No. 3\$.60
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Pruning Shears.

Wood Handle, Steel Plate\$1.75
Malleable Handle, Steel Plate 1.00
8 ft. Water's Tree Pruners	..... 2.00
10 ft. Water's Tree Pruners	..... 2.25
12 ft. Water's Tree Pruners	..... 2.50
Grass Shears	..... .50



Mattocks, Heavy Steel.

Steel 4 in. Long Cutter	.....\$1.10
Steel 3 in. Contractors	..... 1.25
Handles extra	..... .50
Garden Mattock	..... 1.00
Potato Drags, Light	..... 1.00
Potato Drags, Heavy	..... 1.35

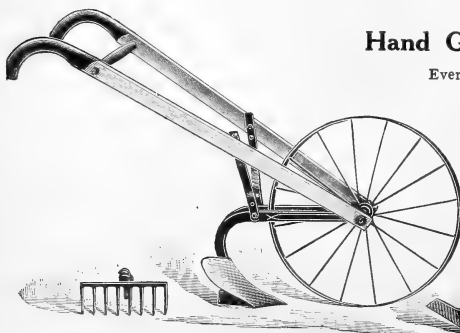


Shovels, Long Handles.

Jackson, Round Point	.....\$1.50 to \$1.85
Ames, Round Point	..... 2.00 to 2.10
Ames, Square Point	..... 2.00 to 2.10

Hand Garden Plows

Every Garden Should Have One.



There has always been a demand for a small garden plow that would come within the price, making it possible for the small gardener to purchase. These plows have all the tools or parts necessary to the perfect working of a garden—for instance, it has a plow for hilling and working the garden early in the spring; it has a cultivator and a hoe; also, a pulverizing rake. Complete in every detail. We have sold them by the hundred to pleased customers.

Price, No. 1, \$4.00 and \$5.00.
Weight about 20 lbs.

Have you ordered all the seed required? Perhaps if you take another careful look through the Catalog you may find something you have overlooked. Time is money as applied to all garden and farm operations.

Frost Proof Cabbage Plants

Ready for Immediate Delivery

**Mature Heads Two to Three
Weeks Earlier Than Your
Home Grown Plants**

WILL DOUBLE YOUR PROFITS

Whether you wish to reduce the High Cost of Living by increasing the production of your home garden, or whether you desire to command the high prices that come to those who market their truck crops before the season opens, you can hardly afford to do without our **FROST PROOF CABBAGE PLANTS**. You may not be familiar with these plants, and for this reason we will tell you why our claim of Frost Proof is well founded.

In the famous Sea Island Cotton growing region of South Carolina there is

found a soil and climatic conditions just suited for growing tough hardy cabbage plants during the Winter and early Spring. Here the plants develop slowly but steadily until they are ready for shipment at eight to ten weeks of age, having developed at this time purple buds and reddish brown outer leaves. They are then very tough and hardy, and can be shipped north for long distances where they may be planted in the open ground a month to six weeks sooner than the more delicate hot-bed or cold-frame plants. After being planted, these **FROST PROOF CABBAGE PLANTS** will stand a temperature of 20 degrees above zero, the land freezing, or being covered with ice, sleet or snow, without injury.

Although the roots grow from the time they are planted, the tops of the plants do not start until regular Spring weather opens up, at which time the established root growth takes up the fertilizer in the soil and the plants grow very fast, maturing headed cabbage two or three weeks sooner than you can mature them from hot-bed or cold-frame plants. You know what the difference in profit will be if your crop is matured and marketed before the general crop from home plants is matured; but,

To get the advantage of these Frost Proof Cabbage Plants, they must be planted a month or six weeks earlier than you would plant home-grown plants.

Our cabbage plants are grown from the best Long Island grown seed, and are shipped direct from our growing station in South Carolina by Parcel Post or Express. We can fill orders from December 1st to May 1st.

The plants when received will be somewhat wilted and have a hard stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of this, they will produce the crop results. We guarantee good order delivery on parcel post shipments. We do not guarantee delivery on shipments by express. They are made at the purchaser's risk.

Varieties: EARLY JERSEY WAKEFIELD, CHARLESTON LARGE TYPE WAKEFIELD, SUCCESSION, AND EARLY FLAT DUTCH.

Prices by parcel post, postage prepaid: 100 to 400 plants at 50c per 100; 500 for \$1.75; 1,000 or more for \$3.25 per 1,000 plants.

Prices by express, buyer paying charges: 1,000 to 4,000, at \$2.25 per 1,000 plants; 5,000 to 8,000, at \$2.00 per 1,000; Plants are packed for parcel post shipment—100, 200, 300, 400, 500 or 1,000 plants to the package; for express shipment, 1,000 or 2,000 plants to the package. Order only in these quantities. We pack only one variety to the package. They weigh about 20 pounds per thousand plants packed for shipment.

TERMS: Cash with order. No plants shipped C. O. D. We advise that you have all shipments of one thousand plants or less sent by parcel post. They make quicker time and are delivered direct to you by the mail carrier. On larger lots inquire of your express agent what the charges will be. To a great many points the parcel post rates are as low as express rates. When rates are near the same always order by parcel post, as time and service are better.

We will refund the purchase price to any customer who is dissatisfied with results produced when the crop is matured. A person wanting extra early cabbage for home use or market CAN'T AFFORD TO DO WITHOUT THESE PLANTS.

F. W. Bolgiano & Co., Inc. Washington, D. C.

Growers of

SEEDS THAT SUCCEED

Instructions For Growing Early Cabbage

FIRST, AND MOST IMPORTANT, buy plants grown from well-bred carefully selected seed; they will probably cost a little more than the cheaper plants grown from ordinary seed, but you can not produce a good crop of cabbage from plants grown from cheap unselected strains of seed.

When plants arrive, remove from package as soon as possible; dissolve one-fourth pound Octagon or some similar laundry soap (not lye soap) in four gallons warm water; let cool; then immerse plants, roots and tops, for two or three hours. This will destroy lice or other insects, and benefit the plants. Plant immediately upon removing from water, and put a little water in hole at root when planting.

Select rich, moist land, but have it well drained.

Cabbage requires a lot of moisture, but will not grow on poorly drained, sour, or water-sodded soil. Plow deep and harrow well so that land is well pulverized as deep as it is broken. Lay out rows either 2½ or 3 feet apart (as you prefer) with bull tongue or other small plow. We recommend 3-foot rows where land is plentiful. Put down 1,000 pounds of high-grade fertilizer per acre in marks. Cover and make up small bed by plowing two light furrows on fertilizer. This work should be done a week or ten days before your plants arrive. Set plants well down so that the entire stem up to the first leaves is covered with earth. If stems are left exposed, freezing weather will cause stems to split; a maggot will get in this split, eat through the stems of the plant to the bud and destroy same. Be sure soil is well packed at roots to avoid an air space, which would prevent plants from rooting or growing. Set your plants 15 to 20 inches apart in the row. It will take about eleven thousand plants first setting, and usually about one thousand to supply the missing places where plants die or are lost for various causes.

Leave plants as set without further cultivation until two weeks before the time that your spring weather usually opens up, then run a subsoil plow, or a small turn plow, with the mold-board removed, twice in "every other alley," at the foot of the ridge on one side of each bed. Follow this work with 500 pounds of the same high-grade fertilizer per acre in alley plowed, then immediately use a small sweep or cultivator, with teeth well drawn in, behind the fertilizer to stir it in the soil and cover same.

In ten days, subsoil, fertilize, and sweep the other alley which was left at first working, using 500 pounds of the same fertilizer per acre, in the same manner. After this you should cultivate light and often, following the plan of cultivating "every other alley" about once every five days, thus working both alleys every ten days. The dryer the weather, the oftener and lighter should be the cultivation—the idea being to keep a thin dust mulch on surface of soil but not to disturb the roots in any way.

There should be no deep cultivation after the last subsoiling and fertilizing. The time to do most of the work on a cabbage crop is before the plants are set. Break your land just as deep as possible with two- or three-horse plow, then disk harrow and pulverize thoroughly as deep as broken. After your cabbages are harvested, you can, without additional fertilizer, grow a crop of hay, sweet potatoes, or any other crop that will mature in a short season, and make a heavier yield than you would if the cabbage had not been grown on the land.

Remember the crop produced will depend upon the grade of seed from which plants are grown. The cost of land, labor, and fertilizer is the same whether you make a crop or not. Therefore, you cannot afford to use plants grown from cheap, unselected strains of seed and take the chance of losing your crop.

F. W. Bolgiano & Co., Inc. Washington, D. C.

Growers of

SEEDS THAT SUCCEED

Capitol Park Lawn Grass Seed

IT NEVER FAILS TO GIVE SATISFACTION



One pound of BOLGIANO & CO'S RECLEANED LAWN GRASS SEED will go as far as 4 quarts of grass seed sold by the measure.

Capitol Park Lawn Grass Seed

This grass seed has helped make Washington the beautiful city that it is. Planted in front of the new District Building, our seed produced a lawn in

twenty-eight days from day of planting the seed.

Pkt. 10 cts.; Lb. 35 cts.; 25 Lbs. \$7.50.

Parcel Post Rate, page 1. Prices not postpaid.

SHADY NOOK LAWN GRASS—The

The fame of this splendid mixture is second only to that of the Capitol Park Mixture. To be able to grow a beautiful green mosslike lawn in such shady places as the south side of the street or under trees seems an impossibility to those who do not know our SHADY NOOK LAWN MIXTURE.

Parcel Post Rate, page 1. Prices not postpaid.

Grass That Will Grow in Shady Places

Yet a trial of this wonderful seed never fails to make a fast friend. By sowing it in the shady spots and our CAPITOL PARK GRASS SEED in the sunny lawns your dreams of a fair velvety green will be quickly realized.

Pkt. 10 cts.; lb. 30 cts.; 25 lbs. \$6.00.

The "IDEAL" Power Lawn Mower

Shown above at work in the Botanical Gardens at Washington.

For Public and Private Grounds

Ideal Mowers insure velvety lawns the clean, sure, easy way. Lawns are kept in perfect condition—the work is done quickly and easily by one man and at a minimum expense.

The mower can be guided closely around flower beds, trees and walks. The roller levels all unsightly bumps, and does not mar the lawn with hoof-prints or mutilate the shrubbery, as is the case with horse-drawn mowers.

Ideal Mowers are a money-saving investment. They do away with several men and horses, and consume gas and oil only while working.

For Golf Grounds

Maximum enjoyment of golf calls for smooth, close cropped putting greens and a neat, trim fairway.

For keeping golf courses in prime condition, the Ideal Power Lawn Mower has no equal—the fairway is cut with the regular 30-inch cutting blade—while the putting greens are kept in trim with a 22-inch cutting unit designed especially for this purpose.

One man and an "Ideal" can in one day mow all the putting greens of an 18-hole course—and do it better than by any other method.

Price, \$375.00.

THE WILLIAM BYRD PRESS, INC.
HORTICULTURAL PRINTERS,
RICHMOND, VA.

Capital City Seeds
F. W. BOLGIANO & CO. 1009 B St. Northwest Washington, D. C.

County _____ State _____

Amount Enclosed State whether P. O. Order, Express Money Order, Draft, Postage stamps or cash \$

SEEDS AND BULBS BY EXPRESS to all points at a rate of twenty per cent. less than usual rates. Freight rates are very low owing to our central location.

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants that we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once and the money that has been paid for same will be cheerfully refunded.

[illegible]

Fees for Money Orders drawn on Domestic Form

Payable in the United States, including Hawaii, Porto Rico, and Virgin Islands, U. S. (late Danish West Indies), or in its possessions, embracing the Canal Zone, Guam, the Philippine Islands, and Tutuila (Samoa), or at the United States Postal Agency at Shanghai (China); also for orders payable in Bermuda, British Guiana, British Honduras, Canada, Cuba, and Newfoundland, and the following islands in the West Indies: Antigua, Bahamas, Barbados, Dominica, Grenada, Jamaica, Martinique, Montserrat, Nevis, St. Kitts, St. Lucia, St. Vincent, Trinidad and Tobago, and Virgin Islands (British).

For Orders	From \$0.01 to \$2.50.....	3 cents.
	From \$2.51 to \$5.00.....	5 cents.
	From \$5.01 to \$10.00.....	8 cents.
	From \$10.01 to \$20.00.....	10 cents.
	From \$20.01 to \$30.00.....	12 cents.
	From \$30.01 to \$40.00.....	15 cents.
	From \$40.01 to \$50.00.....	18 cents.
	From \$50.01 to \$60.00.....	20 cents.
	From \$60.01 to \$75.00.....	25 cents.
	From \$75.01 to \$100.00.....	30 cents.

Memoranda of Issuing, Postmaster:

NOTE.—The maximum amount for which a single Money Order may be issued is \$100. When a larger sum is to be sent additional Orders must be obtained. Any number of Orders may be drawn on any Money Order office on any one day. Applications must be preserved at the office of issue for three years from date of issue.

(EDITION FEB., 1920.)

c5—7155

Quantity Wanted

ARTICLES WANTED

Price

Special Notice:

We shall esteem it a great favor if you will give us in the space below the NAMES and ADDRESSES of any among your acquaintances who may be Market Gardeners or Truckers, or who grow vegetables and flowers in their own home gardens. We wish to send them our MANUAL.

Names

Post Office

State

7

Post Office Department

No.

THE NATIONAL TRUST FOR THE BENEFIT OF THE UNITED STATES

OF THE UNITED STATES OF AMERICA

Application for Domestic Money Order

Pay to the order of the bearer in full on the presentation of this money order.

Amount

Dollars and Cents

Pay to the order of

F. W. Bulgiano & Co.,

1009 B- Street N. W.

Washington,

D. C.

Serial

Check

Post Office

PURCHASER MUST SEND ORDER AND COUPON TO PAYEE

CAPITOL CITY SEEDS

F.W. BOLGIANO & CO.

WASHINGTON, D.C.



CAPITOL CITY
Seeds Co. Branching
and Astoria



